Set	Items	Description
S1	306	ANALOG()MODEM?
S2	353223	TRANSMIT? OR TRANSM? OR SEND?
S3	364711	POWER OR ENERGY
S4	64866	(VOLTAGE? OR VOLT)(10N)(LEVEL? OR OUTPUT? OR OUTFLOW? OR S-ETTING?)
S5	581933	MEASUR? OR ASSESS OR EVALUAT? OR DETECT? OR SENSING
S6	1164463	ADJUST? OR REVISED OR CHANG? OR MODIF? OR EDIT? OR ALTER?
S7	643989	LEVEL? OR AMOUNT? OR ALLOCATION
S8	133808	S7(3N)(DESIRED OR THRESHOLD OR PREFERRED OR REQUIRED)
S9	276	DIGITAL()MODEM?
S10	221	EQUIVALEN?(3N)CLASSES
S11	1942	S5(S)S6(S)S8(S)(S3 OR S4)
S12	28	S1(S)S2(S)S6
S13	48	S1(S)S9
S14	0	S11(S)S1
S15	21	S11(S)MODEM? ?
S16	4	S12(S)S3
S17	4	S13(S)S3
S18	74	MODEM? ?(S)S3(S)S8
S19	55	S18 NOT (S15 OR S16 OR S17)
S20	0	S19(S)S10
S21	8	S19(S)DIGITAL?

DIALOG(R)File 349:PCT Fulltext
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00769760   **Image available**
POWER CONTROL FOR DSL MODEMS IN SPLITTERLESS ENVIRONMENT
CONTROLE DE PUISSANCE POUR MODEMS DSL DANS UN ENVIRONNEMENT EXEMPT DE REPARTITEUR
Patent Applicant/Assignee:
  CENTILLIUM TECHNOLOGY CORPORATION, 47211 Lakeview Boulevard, Fremont, CA 94538, US, US (Residence), US (Nationality)
Inventor(s):
  ZHENG Qingyi, 6277 Potrero Drive, Newark, CA 94560, US
  LONG Guozhu, 39721 Potrero Drive, Newark, CA 94560, US
Legal Representative:
  DE GUZMAN Arnold M, Fenwick & West LLP, Two Palo Alto Square, Palo Alto, CA 94306, US
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200103322 A1 20010111 (WO 0103322)
  Application: WO 2000US40308 20000705 (PCT/WO US0040308)
  Priority Application: US 99346781 19990707
Designated States: AE AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK
  EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
  LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA
  UG UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 6225

Fulltext Availability:
  Detailed Description

Detailed Description
... handset of one of the customer telephone sets 114, 116, 118, off its hook, or **alternatively** , ATU-R **modem** 204 **detects** a fast retrain request signal from ATU-C **modem** 200. Processor 306 then begins to transmit the sixty four symbols in section 500A of the probe signal 500 at full **power** (0 dB reduction, i.e., nominal **power**). The probe signal 500 is distorted and reflected back to ATU-R **modem** 204 from customer telephone sets 114, 116, 118, as shown in Figure 2. The average **power** of the reflected distortion signal within the downstream frequency band (see, e.g., the second region 610 in Figure 6) is **measured** by processor 306. After **measuring** the average **power** , the next sixty-four symbols in section 500B are transmitted serially to customer telephone sets 114, 116, 118, at a reduced transmit **power** (e.g., -3 dB below nominal). This procedure repeats itself by sending consecutive sections of...

...having incrementally reduced transmit powers until the distortion levels for all different transmit levels are **measured** and the proper transmit **power** is determined, as described below with respect to Figure 7. In a preferred embodiment, the transmit **power** is incrementally reduced by -3 dB for each section (500A-500H) of probe signal 500...

DIALOG(R)File 349:PCT Fulltext
(c) 2001 WIPO/MicroPat. All rts. reserv.

00769755   **Image available**
CODED DOMAIN ADAPTIVE LEVEL CONTROL OF COMPRESSED SPEECH
COMMANDE DE PAROLE COMPRIMEE ADAPTATIVE DE NIVEAU A DOMAINE CODE
Patent Applicant/Assignee:
  TELLABS OPERATIONS INC, 4951 Indiana Avenue, Lisle, IL 60532, US, US

(Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
  CHANDRAN Ravi, 18082 East Courtland Drive, South Bend, IN 46637, US, US
    (Residence), US (Nationality), (Designated only for: US)
  DUNNE Bruce E, 269 Batchelor Road, Niles, MI 49120, US, US (Residence),
    US (Nationality), (Designated only for: US)
  MARCHOK Daniel J, 14984 West Clear Lake Road, Buchanan, MI 49107, US, US
    (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
  LARSON Ronald E, McAndrews Held & Malloy, Ltd., 34th Floor, 500 W.
    Madison, Chicago, IL 60661, US
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200103317 A1 20010111 (WO 0103317)
  Application: WO 2000US18293 20000630 (PCT/WO US0018293)
  Priority Application: US 99142136 19990702
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ
  DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
  LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG
  SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 17326

Fulltext Availability:
  Detailed Description

Detailed Description
... 3] ITU-T Recommendation G.169 Draft 7, "Automatic Level Control
  Devices", July 1998.

  In **modem** networks, speech signals are digitally sampled prior to
  transmission. Such digital (i.e. discrete-time...

...to in this specification as being in the linear domain or in linear
  mode. The **adjustment** of the speech levels in such linear domain signals
  is accomplished by multiplying every sample...

...depending on the type of end path in the network. If such echo has
  significant **power** ' and is not already cancelled by an echo canceller,
  then a double-talk **detector** may also be required. This is to ensure
  that the gain is not inadvertently increased...

 15/3,K/3   (Item 3 from file: 349)
DIALOG(R)File 349:PCT Fulltext
(c) 2001 WIPO/MicroPat. All rts. reserv.

00720537   **Image available**
METHOD AND APPARATUS FOR REPLACING LOST PSTN DATA IN A PACKET NETWORK
**PROCEDE ET DISPOSITIF POUR REMPLACER DES DONNEES RTPC PERDUES DANS UN
  RESEAU A COMMUTATION PAR PAQUETS**
Patent Applicant/Assignee:
  TELLABS OPERATIONS INC, 4951 Indiana Avenue, Lisle, IL 60532, US, US
    (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
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    (Residence), US (Nationality), (Designated only for: US)
  MAGILL Robert B, 1142 East South Street, South Bend, IN 46615, US, US
    (Residence), US (Nationality), (Designated only for: US)
  SCHAFER R Michael, 17681 Stockbridge Lane, Granger, IN 46530, US, US
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Legal Representative:
  NETHERY John F, McAndrews, Held & Malloy, Ltd., Suite 3400, 500 W.

Madison Street, Chicago, IL 60661, US
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200033499 A2 20000608 (WO 0033499)
  Application: WO 99US28801 19991203 (PCT/WO US9928801)
  Priority Application: US 98206191 19981204
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE
  ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
  LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT
  UA UG US UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 5691

Fulltext Availability:
  Detailed Description

Detailed Description
... and detecting a missing sequence number or by other means.

  The register controller 308 independently **adjusts** the magnitude
  portions of the multi-bit registers 304 and may function under general
  micro...
...programmed control. As noted above, the magnitude of the multi-bit
  registers 304 may be **adjusted** , for example, depending on the desired
  output power level of the white noise. **Adjustment** typically occurs at
  call setup. One **power** level may be used for fax and **MODEM** calls, for
  example, while another **power** level may be used for voice data.
 Adjustment may occur after call setup, for example, based on **measured**
  signal values.

  The determination of call type (e.g., fax or voice) may come from...

  15/3,K/4   (Item 4 from file: 349)
DIALOG(R)File 349:PCT Fulltext
(c) 2001 WIPO/MicroPat. All rts. reserv.

00636803
SPLITTERLESS MULTICARRIER MODEM
MODEM A PORTEUSES MULTIPLES SANS REPARTITEUR
Patent Applicant/Assignee:
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Inventor(s):
  GROSS Richard W, GROSS, Richard, W. , 21 Millett Street, Arlington, MA
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  GRESZCZUK John A, GRESZCZUK, John, A. , 18 Lowell Drive, Stow, MA 01775 ,
    US
  KRINSKY David M, KRINSKY, David, M. , 4 Ayer Road, Acton, MA 01720 , US
  TZANNES Marcos, TZANNES, Marcos , 665 Lowell Street, Unit &53, Lexington,
    MA 02173 , US
  TZANNES Michael A, TZANNES, Michael, A. , 17 Carley Road, Lexington, MA
    02173 , US
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9920027 A2 19990422
  Application: WO 98US21442 19981009 (PCT/WO US9821442)
  Priority Application: US 9761689 19971010
Designated States: AL AU BA BB BG BR CA CN CU CZ EE GE HU ID IL IS JP KP KR
  LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA US UZ VN YU
  GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK
  ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE
  SN TD TG
Publication Language: English
Filing Language: English

Fulltext Word Count: 23055

Fulltext Availability:
  Detailed Description

Detailed Description
... that used in the "on-hooV state.

In selecting the desired power level, the transmitting modem signals
the receiving modem in the communications-pair of the desired change
(including the designation of a particular power level from among
several power levels, where appropriate), and thereaf ter implements
the change , including switching to a new parameter set associated with
that power level. In another embodiment of the invention, the receiving
modem detects the power level change at the transmitting modem
and switches to a parameter set asso ciated with that power level;
upstream communications (i.e., from the ATU-R to the ATU-C) are
thereafter conducted at the new power level until the disturbance event
(e.g., off-hook condition, etc.) terminates.

While much of...

  15/3,K/5   (Item 5 from file: 349)
DIALOG(R)File 349:PCT Fulltext
(c) 2001 WIPO/MicroPat. All rts. reserv.

00601493   **Image available**
**A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR SWITCHED TELEPHONY
    COMMUNICATION**
**SYSTEME PROCEDE ET ARTICLE CONCU POUR LES COMMUNICATIONS TELEPHONIQUES PAR
    RESEAU COMMUTE**
Patent Applicant/Assignee:
  MCI COMMUNICATIONS CORPORATION, MCI COMMUNICATIONS CORPORATION , 1133
    19th Street, N.W., Washington, DC 20036 , US
Inventor(s):
  ZEY David A, ZEY, David, A. , 4208 Ragsdale Court, Fuquay-Varina, NC
    27526 , US
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9847298 A2 19981022
  Application: WO 98US7927 19980415 (PCT/WO US9807927)
  Priority Application: US 97835789 19970415; US 97834320 19970415
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
  FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN
  MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW
  GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK
  ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN
  TD TG
Publication Language: English
Filing Language: English
Fulltext Word Count: 175758

Fulltext Availability:
  Detailed Description

Detailed Description
... to the Public Switched Network (PSTN) 1960 via gateway 1950. The
gateway 1950 in a **preferred** embodiment provides a virtual connection
from a circuit switched call in the PSTN 1960 and...long distance
traffic.

The availability of higher speed Internet access from homes, such as
cable modems , will make good quality consumer IP Telephony service more
easily attained. The addition of video...to arrive at the appropriate
destination, in this case either switch 230 or 231. An alternative
embodiment of the hybrid network access incorporates the internet access
facility into a switch 232...

...original DAP response and routes the call to the ISN 250 or directly to the **modem** pool 270 based on the routing information from the DAP 240. If the call were...

15/3,K/6   (Item 6 from file: 349)
DIALOG(R)File 349:PCT Fulltext

00600228   **Image available**
METHODS AND APPARATUS FOR CONTROLLING EARTH-STATION TRANSMITTED POWER IN A VSAT NETWORK
PROCEDES ET APPAREIL DE GESTION DE LA PUISSANCE TRANSMISE PAR UNE STATION TERRESTRE DANS UN RESEAU VSAT
Patent Applicant/Assignee:
  GENERAL ELECTRIC COMPANY, GENERAL ELECTRIC COMPANY , 1 River Road, Schenectady, NY 12345 , US
Inventor(s):
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  CHECK William Alan, CHECK, William, Alan , 11104 Elmview Place, Great Falls, VA 22066 , US
  CHISHOLM Joseph A, CHISHOLM, Joseph, A. , 12703 Landview Drive, Manassas, VA 20112 , US
  GLINSMAN Brian James, GLINSMAN, Brian, James , 13119 Ladybank Lane, Herndon, VA 20171 , US
  KIM David B, KIM, David, B. , 9700 Locust Hill Drive, Great Falls, VA 22066 , US
  KRONZ Ronald L, KRONZ, Ronald, L. , 12413 Alexander Cornell Drive, Fairfax, VA 22033 , US
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9845964 A1 19981015
  Application: WO 98US7032 19980407 (PCT/WO US9807032)
  Priority Application: US 9742835 19970409; US 9850972 19980331
Designated States: BR CN IL JP AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Filing Language: English
Fulltext Word Count: 9252

Fulltext Availability:
  Detailed Description

Detailed Description
... commissioning. The VSAT 20 then adjusts the desired inbound power level accordingly. In this procedure, **changes** in the received outbound Eb/NO level are **measured** by the VSAT RIF **modem** demodulator circuits, and are available immediately and on a continuous basis (assuming the VSAT is locked to the downlink outbound signal). The VSAT RIF **modem** 's **measurement** of the outbound Eb/NO will have an accuracy that is dependent on the actual Eb/NO level--the higher the actual Eb/NO, the more accurate the **measurement** will be.
In the preferred embodiment, the outbound Eb/NO measurements will be updated by...

15/3,K/7   (Item 7 from file: 349)
DIALOG(R)File 349:PCT Fulltext

00577375
A COMMUNICATION SYSTEM ARCHITECTURE
SYSTEME, PROCEDE ET PRODUIT MANUFACTURE POUR L'ARCHITECTURE D'UN SYSTEME DE COMMUNICATION
Patent Applicant/Assignee:
  MCI COMMUNICATIONS CORPORATION, MCI COMMUNICATIONS CORPORATION , 1133

19th Street, N.W., Washington, DC 20036 , US

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    Cedar Rapids, IA 52402 , US
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    US
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    52245 , US
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  GROSS Phil, GROSS, Phil , 20331 Cockerill Road, Purceville, VA 22132 , US
  DUGAN Andrew J, DUGAN, Andrew, J. , 2025 Tabor Court, Colorado Springs,
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    30174 , US
  KELLY Patrick J III, KELLY, Patrick, J., III , 2710 Briarhurst Drive,
    Houston, TX 77057 , US
  GOTTLIEB Louis G, GOTTLIEB, Louis, G. , 6639 Foxdale Circle, Colorado
    Springs, CO 80919 , US
  COLLIER Matthew T, COLLIER, Matthew, T. , 12983 Thistlethorn Drive,
    Herndon, VA 20171 , US
  WILLE Andrew N, WILLE, Andrew, N. , 3380 Oriole Court, N.E., Cedar
    Rapids, IA 52401 , US
  RINDE Joseph, RINDE, Joseph , 7706 Fontaine Street, Potomac, MD 20854 ,
    US
  LITZENBERGER Paul D, LITZENBERGER, Paul, D. , 420 West Oak Street, Wylie,
    TX 75098 , US
  TURNER Don A, TURNER, Don, A. , 4204 Magnolia Drive, McKinney, TX 75070 ,
    US
  WALTERS John J, WALTERS, John, J. , 2601 Lexington, McKinney, TX 75070 ,
    US
  EASTEP Guido M, EASTEP, Guido, M. , 3005 Saint Germain Drive, McKinney,
    TX 75070 , US
  MARSHALL David D, MARSHALL, David, D. , 1008 Serenade Lane, Richardson,
    TX 75081 , US
  PRICE Ricky A, PRICE, Ricky, A. , 2991 Hillingdon Drive, Richardson, TX
    75082 , US
  SALEH Bilal A, SALEH, Bilal, A. , 1205 E. Camp McDonald Road, Prospect
    Heights, IL 60070 , US
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9823080 A2 19980528
  Application: WO 97US21174 19971114 (PCT/WO US9721174)
  Priority Application: US 96751203 19961118; US 96751668 19961118; US
    96752271 19961118; US 96758734 19961118; US 96751209 19961118; US
    96751661 19961118; US 96752236 19961118; US 96752487 19961118; US
    96752269 19961118; US 96751923 19961118; US 96751658 19961118; US
    96752552 19961118; US 96751933 19961118; US 96751663 19961118; US
    96746899 19961118; US 96751915 19961118; US 96752400 19961118; US
    96751922 19961118; US 96751961 19961118
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
  FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN
  MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU
  ZW GH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES
  FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD

TG
Publication Language: English
Filing Language: English
Fulltext Word Count: 188452

Fulltext Availability:
  Detailed Description

Detailed Description
... Personal Computer (PC) to out-of-network Phone Information call flow
  in accordance with a **preferred** embodiment. In this call flow, the use
  of the PSYN is avoided by routing the...are utilized to perform digital
  transcoding, DTMF detection, voice recognition, call progress, VRU
  functions and **Modem** functions.
  XI. TELECOMMUNICATION NETWORK MANAGEMENT A preferred embodiment utilizes
  a network management system for a...

 15/3,K/8   (Item 8 from file: 349)
DIALOG(R)File 349:PCT Fulltext
(c) 2001 WIPO/MicroPat. All rts. reserv.

00547109   **Image available**
COMMUNICATION SYSTEM WITH MULTICARRIER TELEPHONY TRANSPORT
**SYSTEME DE COMMUNICATION A TRANSPORT TELEPHONIQUE PAR ONDES PORTEUSES
  MULTIPLES**
Patent Applicant/Assignee:
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    Street, Bloomington, MN 55435 , US
Inventor(s):
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  GEILE Michael J, GEILE, Michael, J. , 316 Miami Valley Drive, Loveland,
    OH 45140 , US
  HILL Terrance J, HILL, Terrance, J. , 1765 Garrett House Lane, Fairfield,
    OH 45014 , US
  ROBERTS Harold A, ROBERTS, Harold, A. , 7017 Beacon Circle, Eden Prairie,
    MN 55346 , US
  ANDERSON Brian D, ANDERSON, Brian, D. , 11430 ­ 50th Place North,
    Plymouth, MN 55442 , US
  BREDE Jeffrey, BREDE, Jeffrey , 8073 Curtis Lane, Eden Prairie, MN 55347
    , US
  WADMAN Mark S, WADMAN, Mark, S. , 4416 Fairfax Hills Drive, Plano, TX
    75024 , US
  KIRSCHT Robert J, KIRSCHT, Robert, J. , 13106 Vernon Avenue South,
    Savage, MN 55378 , US
  HERRMANN James J, HERRMANN, James, J. , 1894 Sunrise Court, Eagan, MN
    55122 , US
  FORT Michael J, FORT, Michael, J. , 1045 Northview Park, Eagan, MN 55123
    , US
  BUSKA Steven P, BUSKA, Steven, P. , 13370 Stanton Drive, Minnetonka, MN
    55305 , US
  SOLUM Jeff, SOLUM, Jeff , 4900 West 78th Street, Bloomington, MN 55435 ,
    US
  ENFIELD Debra Lea, ENFIELD, Debra, Lea , 464 Ridge Court, Chaska, MN
    55318 , US
  BERG Darrell, BERG, Darrell , 4900 West 78th Street, Bloomington, MN
    55435 , US
  SMIGELSKI Thomas, SMIGELSKI, Thomas , 230 Waterford Drive, Lake Zurich,
    IL 60047 , US
  TUCKER Thomas C, TUCKER, Thomas, C. , 205 Silver Creek Trail, Chapel
    Hill, NC 27514 , US
  HALL Joe, HALL, Joe , 4900 West 78th Street, Bloomington, MN 55435 , US
  LOGAJAN John M, LOGAJAN, John, M. , 4248 Hamline Avenue, Arden Hills, MN
    55112 , US
  BOUALOUANG Somvay, BOUALOUANG, Somvay , 4900 West 78th Street,
    Bloomington, MN 55435 , US

LOU Heng, LOU, Heng , 4900 West 78th Street, Bloomington, MN 55435 , US
ELPERS Mark D, ELPERS, Mark, D. , 16303 205th Avenue, N.W., Elk River, MN
   55330 , US
DOWNS Matt, DOWNS, Matt , 1535 Mathias Place, Rohnert Park, CA 94928 , US
FERRIS Tammy, FERRIS, Tammy , 4900 West 78th Street, Bloomington, MN
   55435 , US
OPOCZYNSKI Adam, OPOCZYNSKI, Adam , 3705 Roxbury Lane, Plano, TX 75025 ,
   US
RUSSELL David S, RUSSELL, David, S. , 5145 Luverne Avenue, Minneapolis,
   MN 55419 , US
NELSON Calvin G, NELSON, Calvin, G. , 26190 Birch Bluff Road, Excelsior,
   MN 55331 , US
SAMANT Niranjan R, SAMANT, Niranjan, R. , 229 Ridgefield Drive,
   Middletown, CT 06547 , US
CHIAPPETTA Joseph F, CHIAPPETTA, Joseph, F. , 6 Ranch Drive, Trumbull, CT
   06611 , US
SARNIKOWSKI Scott, SARNIKOWSKI, Scott , P.O. Box 5223, Santa Clara, CA
   95056 , US

Fulltext Availability:
   Detailed Description

Detailed Description
...   the synchronization channels is corrupted. The HDT monitors one
   channel for every ISU.

   The MCC **modem** 82 **detects** a valid signal and performs an amplitude
   level **measurement** on a received signal from the ISU. The
   synchronization pattern indicates to the CXMC 80...
...and is ready to proceed with upstream synchronization. The amplitude
   level is compared to a **desired** reference **level** . The CXMC 80
   determines whether or not the transmit level of the ISU 100 should be
   adjusted and the amount of such **adjustment** . If **level** **adjustment** is
   required , the CXMC 80 transmits a message on the downstream IOC channel
   instructing the CXSU 102 of the ISU 100 to **adjust** the **power** level of
   the transmitter of the ISU **modem** 101. The CXMC 80 continues to check
   the receive **power** level from the ISU 100 and provides **adjustment**
   commands to the ISU 100 until the level transmitted by the ISU 100 is
   acceptable. The amplitude is **adjusted** at the ISU as previously
   discussed. If amplitude equilibrium is not reached within a certain
   number of iterations of amplitude **adjustment** or if a signal presence is
   never **detected** utilizing the primary synchronization channel then the
   same process ...channel. If amplitude equilibrium is not reached within
   a certain number of iterations of amplitude **adjustment** or if a signal
   presence is never **detected** utilizing the primary or redundant
   synchronization channels then the ISU is reset.

   Once transmission level...

 15/3,K/9   (Item 9 from file: 349)
DIALOG(R)File 349:PCT Fulltext
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00525860   **Image available**

COMMUNICATION SYSTEM WITH MULTICARRIER TELEPHONY TRANSPORT
SYSTEME DE COMMUNICATION AVEC TRANSMISSION TELEPHONIQUE PAR PORTEUSES
    MULTIPLES
Patent Applicant/Assignee:
  ADC TELECOMMUNICATIONS INC
  DAPPER Mark J
  GEILE Michael J
  HILL Terrance J
  ROBERTS Harold A
  ANDERSON Brian D
  BREDE Jeffrey
  WADMAN Mark S
  KIRSCHT Robert J
  HERRMANN James J
  FORT Michael J
  BUSKA Steven P
  SOLUM Jeff
  ENFIELD Debra Lea
  BERG Darrell
  SMIGELSKI Thomas
  TUCKER Thomas C
  HALL Joe
  LOGAJAN John M
  BOUALOUANG Somway
  LOU Heng
  ELPERS Mark D
  DOWNS Matt
  FERRIS Tammy
  OPOCZYNSKI Adam
  RUSSELL David S
Inventor(s):
  DAPPER Mark J
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  WADMAN Mark S
  KIRSCHT Robert J
  HERRMANN James J
  FORT Michael J
  BUSKA Steven P
  SOLUM Jeff
  ENFIELD Debra Lea
  BERG Darrell
  SMIGELSKI Thomas
  TUCKER Thomas C
  HALL Joe
  LOGAJAN John M
  BOUALOUANG Somway
  LOU Heng
  ELPERS Mark D
  DOWNS Matt
  FERRIS Tammy
  OPOCZYNSKI Adam
  RUSSELL David S
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9727550 A2 19970731
  Application: WO 97US1444 19970124 (PCT/WO US9701444)
  Priority Application: US 9610497 19960124; US 9610506 19960124; US
    96673002 19960628
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
  FI GB GE HU IL KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO
  NZ PL PT RO RU SG SI SK TJ TM TR TT UA UG US UZ VN KE LS MW SD SZ UG AM
  AZ BY KG KZ MD TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF
  BJ CF CG CI CM ML MR NE SN TD TG
Publication Language: English

Fulltext Word Count: 81849

Fulltext Availability:
  Detailed Description

Detailed Description
... the synchronization channels is corrupted. The HDT monitors one
  channel for every ISU.

  The MCC **modem** 82 **detects** a valid signal and performs an amplitude
  level **measurement** on a received signal from the ISU. The
  synchronization pattern indicates to the CXMC 80...

...and is ready to proceed with upstream synchronization. The amplitude
  level is compared to a **desired** reference **level** . The CXMC 80
  determines whether or not the transmit level of the ISU 100 should be
 adjusted and the amount of such **adjustment** . If **level** **adjustment** is
 required , the CXMC 80 transmits a message on the downstream IOC channel
  instructing the CXSU 102 of the ISU 100 to **adjust** the **power** level of
  the transmitter of the ISU **modem** 101. The CXMC 80 continues to check
  the receive **power** level from the I SU 100 and provides **adjustment**
  commands to the ISU 100 until the level transmitted by the ISU 100 is
  acceptable. The amplitude is **adjusted** at the ISU as previously
  discussed. If amplitude equilibrium is not reached within a certain
  number of iterations of amplitude **adjustment** or if a signal presence is
  never **detected** utilizing the primary synchronization channel then the
  same process is used on the redundant synchronization ...channel. If
  amplitude equilibrium is not reached within a certain number of
  iterations of amplitude **adjustment** or if a signal presence is never
 detected utilizing the primary or redundant synchronization channels
  then the ISU is reset.

  Once transmission level...

  15/3,K/10   (Item 10 from file: 349)
  DIALOG(R)File 349:PCT Fulltext
  (c) 2001 WIPO/MicroPat. All rts. reserv.

  00446965
  CONTROLLING TRANSMITTER GAIN IN A WIRELESS TELECOMMUNICATIONS SYSTEM
  REGULATION DU GAIN D'UN EMETTEUR DANS UN SYSTEME DE TELECOMMUNICATIONS SANS
    FIL
  Patent Applicant/Assignee:
   DSC COMMUNICATIONS CORPORATION
  Inventor(s):
   LEA Raymond Gavin
   LYSEJKO Martin
  Patent and Priority Information (Country, Number, Date):
   Patent: WO 9638935 A1 19961205
   Application: WO 96US8519 19960603 (PCT/WO US9608519)
   Priority Application: GB 9510870 19950602; GB 9513912 19950707
  Designated States: AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB
   GE HU IL IS JP KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT
   RO RU SD SE SG TJ TM TR TT UA UG UZ VN KE LS MW SD SZ UG AM AZ BY KG KZ
   MD RU TJ TM AT DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI
   CM GA GN ML MR TD TG
  Publication Language: English
  Fulltext Word Count: 5246
  English Abstract
   ...telecommunications system (1) includes an analog card (206) that
   combines inputs from a plurality of **modem** units (204) for a plurality
   of downlink communication paths. The analog card (206) generates a...

  ...the composite transmit signal (214) for radio frequency transmission
   from the central terminal (10). A **power** amplifier (218) in a combining
   shelf (201) amplifies the composite transmit signal (214) to a **desired**

transmitting **level** . A **detector** (240) **measures** a **power** output of
the **power** amplifier (218). The **power** output **measurement** determined
by the **detector** (240) is collected by a combiner monitor (222) and
delivered to a shelf controller (210) of the **modem** shelf (200). The
shelf controller (210) provides the **power** output **measurement** to the
analog card (206). The analog card (206) compares the **power** output
measurement to **power** estimates of the inputs from the **modem** units
(204). The analog card (206) generates an **adjustment** signal (242) to
control the **power** output from the **power** amplifier (218) by **adjusting**
a gain of the radio frequency card in accordance with the comparison.

15/3,K/11   **(Item 11 from file: 349)**

00429236
METHOD OF COMMUNICATION CHANNEL MONITORING USING PARITY BITS
PROCEDE DE   CONTROLE DE CANAUX DE TELECOMMUNICATIONS UTILISANT DES BITS DE
    PARITE
Patent Applicant/Assignee:
  ADC TELECOMMUNICATIONS INC
Inventor(s):
  ANDERSON Brian D
  ROBERTS Harold A
  BREDE Jeffrey
  BUSKA Steven P
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9624995 A2-A3 19960815
  Application: WO 96US1606 19960206 (PCT/WO US9601606)
  Priority Application: US 95384659 19950206; US 95457295 19950601
Designated States: AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB
  GE HU IS JP KE KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO
  RU SD SE SG SI TM TR TT UA UG UZ VN KE LS MW SD SZ UG AZ BY KG KZ RU TJ
  TM AT BE CH DE FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML
  MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 31489

Fulltext Availability:
  Detailed Description

Detailed Description
... synchronization can still be accomplished if one of the
  synchronization channels is corrupted.

  The MCC **modem** 82 **detects** a valid signal and performs an amplitude
  level **measurement** on a received signal from the ISU. The
  synchronization pattern indicates to the CXMC 80...

...and is ready to proceed with upstream synchronization. The amplitude
  level is compared to a **desired**)0 reference **level** . The CXMC 80
  determines whether or not the transmit level of the ISU 100 should be
  adjusted and the amount of such **adjustment** . If **level** **adjustment** is
  required . the ...message on the downstream IOC channel instructing the
  CXSU 102 of the ISU 100 to **adjust** the **power** level of the transmitter
  of the ISU **modem** 101. The CXMC 80 continues to check the receive **power**
   level from the ISU 100 and provides **adjustment** commands to the ISU 100
  until the level transmitted by the ISU 5 100 is acceptable. The amplitude
  is **adjusted** at the ISU as previously discussed. If amplitude
  equilibrium is not reached within a certain number of iterations of
  amplitude **adjustment** or if a signal presence is never **detected**
  utilizing the primary synchronization channel then the same process is
  used on the redundant synchronization channel. If amplitude equilibrium
  is not reached within a certain number of iterations of amplitude
 adjustment or if a signal presence is never **detected** utilizing the
  primary or redundant synchronization channels then the ISU is reset.

Once transmission level...

15/3,K/12   (Item 12 from file: 349)
DIALOG(R)File 349:PCT Fulltext
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00429230   **Image available**
MULTI-POINT TO POINT COMMUNICATION SYSTEM
SYSTEME DE TELECOMMUNICATIONS MULTIPOINT A POINT
Patent Applicant/Assignee:
  ADC TELECOMMUNICATIONS INC
Inventor(s):
  DAPPER Mark J
  GEILE Michael J
  HILL Terrance J
  ROBERTS Harold A
  ANDERSON Brian D
  BREDE Jeffrey
  WADMAN Mark S
  KIRSCHT Robert J
  HERRMANN James J
  FORT Michael J
  BUSKA Steven P
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9624989 A2-A3 19960815
  Application: WO 96US1575 19960206 (PCT/WO US9601575)
  Priority Application: US 95384659 19950206; US 95457317 19950601
Designated States: AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB
  GE HU IS JP KE KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO
  RU SD SE SG SI TM TR TT UA UG UZ VN KE LS MW SD SZ UG AZ BY KG KZ RU TJ
  TM AT BE CH DE FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML
  MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 41564

Fulltext Availability:
  Detailed Description

Detailed Description
... synchronization can still be accomplished if one of the
  synchronization channels is corrupted.

  The MCC **modem** 82 **detects** a valid signal and performs an amplitude
  level **measurement** on a received signal from the ISU. The
  synchronization pattern indicates to the CXMC 80...

...and is ready to proceed with upstream synchronization. The amplitude
  level is compared to a **desired** reference **level** . The CXMC 80
  determines whether or not the transmit level of the ISU 100 should be
 adjusted and the amount of such **adjustment** . If **level   adjustment**
  is **required** , the CXMC 80 transmits a message on the downstream IOC
  channel instructing the CXSU 102 of the ISU 100 to **adjust** the **power**
  level of the transmitter of the ISU **modem** 101. The CXMC 80 continues to
  check the receive **power** level from the ISU 100 and provides **adjustment**
   commands to the ISU 100 until the level transmitted by the ISU 100 is
  acceptable. The amplitude is **adjusted** at the ISU as previously
  discussed. If amplitude equilibrium is not reached within a certain
  number of iterations of amplitude **adjustment** or if a signal presence is
  never **detected** utilizing the primary synchronization channel then the
  same process is used on the redundant synchronization channel. If
  amplitude equilibrium is not reached within a certain number of
  iterations of amplitude **adjustment** or if a signal presence is never
 detected utilizing the primary or redundant synchronization channels
  then the ISU is reset.

Once transmission level...

15/3,K/13   (Item 13 from file: 349)
DIALOG(R)File 349:PCT Fulltext

00365525
IMPROVED FEATURES FOR A TELECOMMUNICATIONS DISPLAY SYSTEM
CARACTERISTIQUES AMELIOREES POUR UN SYSTEME D'AFFICHAGE DE SYSTEME DE
   TELECOMMUNICATIONS
Patent Applicant/Assignee:
  RADISH COMMUNICATIONS SYSTEMS INC
  DAVIS Richard A
  WITMORE Ronald K
  FETTE Charles J
  MATHYS Peter
  BRITTAIN Anthony J
Inventor(s):
  DAVIS Richard A
  WITMORE Ronald K
  FETTE Charles J
  MATHYS Peter
  BRITTAIN Anthony J
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9426056 A1 19941110
  Application: WO 94US4893 19940502   (PCT/WO US9404893)
  Priority Application: US 9356526 19930430
Designated States: AU CA JP KR US US US AT BE CH DE DK ES FR GB GR IE IT LU
  MC NL PT SE
Publication Language: English
Fulltext Word Count: 33325

Fulltext Availability:
  Claims

Claim
... first relay switch 220 is for connecting and disconnecting the
   subscriber telephone 12 and the **modem** IC 222 to and from the telephone
   line 52 in response to control ...Erowers AN,, Sawma Clara, California
   95051. 'When the relay switch 220 is switched to its **alternate**
   broken-line position, signals are rerouted via connections 38 and 258 and
   summing device 260 to the RMIT contact of the **modem** IC 222. The
   subscriber's telephone 12 is also connected by line 22, a second...

...response to a control signal from the microcontroller 230 as indicated
   by connection 253 to **alternately** connect and disconnect the telephone
   network 50 via directional coupler 226 and connection 228 and to connect
   and disconnect the tone generator/local **power** source 232 to and from
   the subscriber's telephone 12. A third relay switch 234 is provided to
   connect and disconnect a ring **detector** 236 and the microcontroller 230
   Mm. the internal telephone connections 224, 228 and directional coupler
   ...

15/3,K/14   (Item 14 from file: 349)
DIALOG(R)File 349:PCT Fulltext

00316340
APPARATUS AND METHOD FOR CONTROLLING TRANSMITTED POWER OF A MODEM
APPAREIL ET PROCEDE DESTINES A COMMANDER LA PUISSANCE TRANSMISE D'UN MODEM
Patent Applicant/Assignee:
  GENERAL DATACOMM INC
Inventor(s):
  GOLDSTEIN Yuri
Patent and Priority Information (Country, Number, Date):

Fulltext Availability:
  Detailed Description

English Abstract
  The preferred method comprises **measuring** the signal/noise ratio and
  intermodulation distortion (IMD) relating to signals being transmitted
  over a channel (25) and **adjusting** the transmitting power of the
  transmitting **modem** (209) below a maximum permissable power in response
  to the **measurements** in order to reduce the error rate of the data
  transmission, the error rate being...

  ...function of both the signal/noise ratio and the IMD. Theoretically, the
  power can be **adjusted** to an optimal level, as the decrease in power
  increases the error rate due to...

  ...preferred manner of determining the final power level to be utilized is
  to calibrate a **modem** according to the techniques (e.g., Treillis
  precoding, etc.) it utilizes, and to utilize a look-up table for that
 modem to identify the **desired** **power** **level** based on the **measured**
  signal/noise ratio and the **measured** IMD. A second preferred manner is
  to decrease the signal **power** according to a formula which is a function
  of the third harmonic IMD.

Detailed Description
... power level should be can be utilized. A first preferred scheme is to
  calibrate a **modem** according to the techniques (e.g., Trel ' lis
  precoding, etc.) it utilizes, and to utilize a look-up table for that
 modem to identify the desired power level based on the measured
  signal/noise ratio and the...

...the desired power level, or a corrective signal would be sent back to Me
  transmitting **modem** . A fourth scheme is to **measure** the quality of
  points in a constellation, to send a corrective signal back to **adjust**
  the **power** , and to iterate until a threshold is met or an optimum is
  found.

  Numerous other...corrective signal (e.g., decrease a 4dB from maximum)
  must be sent by the receiving **modem** back to the transmitting **modem** .
  Those skilled in the art will appreciate that the transfer of information
  from the receiving **modem** to the sending (transmitting) **modem** for
  indicating the appropriate **power** level for operating over the
  particular channel being utilized can be accomplished in numerous ways...

...during probing, or " other times during the handshake and/or transfer of
  data. Insfact, if **measurements** are made at. intervals or continuously
  during data transmission, and appropriate information is sent ba" to Me
  transmitting **modem** , the system can adapt to **changes** in the channel
  which might occur Wring data transmission.

  A third scheme for adjusting the...

 15/3,K/15   **(Item 15 from file: 349)**
DIALOG(R)File 349:PCT Fulltext
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00313839
METHOD AND APPARATUS FOR EFFECTING EFFICIENT TRANSMISSION OF DATA
PROCEDE ET APPAREIL PERMETTANT D'EFFECTUER UNE TRANSMISSION DE DONNEES
   PERFORMANTE

Patent Applicant/Assignee:
 MICROCOM SYSTEMS INC
Inventor(s):
 KLOC Dennis
 CAREY Richard A
Patent and Priority Information (Country, Number, Date):
 Patent: WO 9300751 A1 19930107
 Application: WO 92US5347 19920624 (PCT/WO US9205347)
 Priority Application: US 91720638 19910625
Designated States: AU CA JP KR AT BE CH DE DK ES FR GB GR IT LU MC NL SE
Publication Language: English
Fulltext Word Count: 6919

Fulltext Availability:
 Claims

Claim
... 203 of Fig.

 27 6. If however, updated values can be determined, they are 28
 adjusted at steps 302 and 303 by the microprocessor. If, 29 for example,
 the initial transmit...

 ...is determiend at step 302 34 based on the AGC value received form the
 other **modem** and the current transmit **power** level. In addition, the
 minimum 36 transmils **power** level at which the noise floor will not 37
 interfere with the data transmission is...

 ...SHEET 1 303 based on the AGC and EQM value received from the other 2
 modem and current transmit **power** level. Given the two 3 **measurements**
 , the microprocessor utilizes an empirically 4 determined table, shown in
 Appendix A to **adjust** the signal strength (**power** level) of the
 transmitted signal at step 6 302 based on one of the two **measurements**
 made at steps 302 7 and 303. The values in the table of Appendix A have
 been 8 empirically determined. As to which **measurement** is used to 9 set
 the next **power** level will depend of the EQM value. If the EQM value
 indicates a high noise...

 ...the 11 processor will utilize the data acquired at step 303 to set 12
 the **power** transmit level from the table of Appendix A, as 13 indicated
 at step 306. If...

 ...level at step 304, the microprocessor proceeds to step 305 and
 calculates the new 16 **power** level based on the AGC number from the
 table of 17 Appendix A. In either...

 ...has been received. If the fall back 23 command is received, indicating
 that the remote **modem** has 24 decided to downshift so that the current
 modem will receive data at a slower rate, the microprocessor will
 provide an 26 acknowledgement at step 204. The **modem** will first update
 27 the **power** level at which the **modem** will transmit at step 28 206
 before proceeding to step 207 where the modulation rate 29 is actually
 changed to the next lower rate. At step 208 the system checks to insure
 the downshift is successful, 31 and if so the **modem** proceeds to step
 105 of Fig. 5. If, 32 however, the **modem** is not successful at step 208,
 the **modem** 33 proceeds to step 205 to again try a fall back to a slower
 34...

 ...If successful at step 205, the system returns to step 206. However, if
 not, the **modem** proceeds 36 to disconnect.

00937684

Portable computer with modem connection to docking station
Tragbare Computer mit Modemanschluss an einer Andockstation
Ordinateur portable avec connexion modem vers une station de couplage
PATENT ASSIGNEE:
  Compaq Computer Corporation, (687792), 20555 S.H. 249, Houston Texas
    77070, (US), (Applicant designated States: all)
INVENTOR:
  Tran, Huyan B., 12906 Magnolia Leaf Street, Houston, Texas 77065, (US)
  Castell, Robin T., 6703 River Mill Drive, Spring, Texas 77329, (US)
LEGAL REPRESENTATIVE:
  Brunner, Michael John et al (28871), GILL JENNINGS & EVERY Broadgate
    House 7 Eldon Street, London EC2M 7LH, (GB)
PATENT (CC, No, Kind, Date):   EP 853414 A2 980715 (Basic)
                               EP 853414 A3 991117
APPLICATION (CC, No, Date):   EP 97310654 971230;
PRIORITY (CC, No, Date): US 775593 961231
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;
  MC; NL; PT; SE
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: H04M-011/06
ABSTRACT WORD COUNT: 197
NOTE:
  Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
      CLAIMS A (English)   9829   465
      SPEC A   (English)   9829   3090
Total word count - document A   3555
Total word count - document B   0
Total word count - documents A + B   3555

...SPECIFICATION manufactured which use only 3.3V DC internally.
    Referring now to Figure 2, a typical **modem** module or board 25
  contains a phone jack 26 of the RJ-11 type, like...

...two wires carry the incoming and outgoing analog telephone signals, the
  ring signal, and the **power** which operates the telephone set itself in
  some traditional phone installations. The voltages occurring on...

...system. An isolation element and 2-wire to 4-wire converter 27 is used
  to **change** the high-voltage two-wire coupling 28 to a low-voltage,
  surge-protected four-wire...

...in integrated circuit devices, as well as a transformer to provide the
  isolation and to **change** the analog **voltage**   **level** . In a **preferred**
  embodiment, optical couplers are used to couple the send and receive
  signals to the remainder of the **modem** circuit, although transformers
  could be used also. The DC **power** supplied by an ordinary telephone line
  is not needed by the **modem** 25, so just the analog audio signals and the
  ring signals are allowed to pass to-digital and digital-to-analog
  converter 30 **changes** the analog signal from the telephone line to a
  digital representation for use in the...

...the type commercially available is used for the filtering functions,
  decoding and encoding data, signal **detection** , etc., as is the usual
  practice, providing digital data to and receiving digital data from the
  computer system bus or I/O bus via lines 32, **modem** controller 33, and
  bus 34. Figure 2 illustrates the components of a typical **modem** , whether
  of the PCMCIA type for a laptop, or a **modem** card in a desktop computer,
  or an integrated **modem** on a motherboard.
    Referring to Figure 3, a modem configuration is illustrated according
  to one...

00584431
APPARATUS AND METHOD FOR CONTROLLING TRANSMITTED POWER OF A MODEM
GERAT UND VERFAHREN ZUR STEUERUNG DER UBERTRAGUNGSLEITUNG EINES MODEM
APPAREIL ET PROCEDE DESTINES A COMMANDER LA PUISSANCE TRANSMISE D'UN MODEM
PATENT ASSIGNEE:
  PC TEL, Inc., (2882050), 61 Mattatuck Heights Road, Waterbury, CT 06705,
    (US), (Proprietor designated states: all)
INVENTOR:
  GOLDSTEIN, Yuri, 924 Bullet Hill Road, Southbury, CT 06488, (US)
LEGAL REPRESENTATIVE:
  Gibson, Stewart Harry et al (30972), URQUHART-DYKES & LORD, Three Trinity
    Court, 21-27 Newport Road, Cardiff CF2 1AA, (GB)
PATENT (CC, No, Kind, Date): EP 597027 A1 940518 (Basic)
                              EP 597027 A1 941117
                              EP 597027 B1 000105
                              WO 9303561 930218
APPLICATION (CC, No, Date):   EP 92917669 920717; WO 92US6026 920717
PRIORITY (CC, No, Date): US 736088 910726
DESIGNATED STATES: DE; ES; FR; GB; IT
INTERNATIONAL PATENT CLASS: H04L-001/20; H04B-007/005
NOTE:
  No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200001	2301
CLAIMS B	(German)	200001	2053
CLAIMS B	(French)	200001	2503
SPEC B	(English)	200001	5612
Total word count - document A			0
Total word count - document B			12469
Total word count - documents A + B			12469

...SPECIFICATION power level should be can be utilized. A first preferred
  scheme is to calibrate a **modem** according to the techniques· (e.g.,
  Trellis precoding etc.) it utilizes, and to utilize a look-up table for
  that **modem** to identify the desired power level based on the measured
  signal/noise ratio and the...the desired power level, or a corrective
  signal would be sent back to the transmitting **modem** . A fourth scheme is
  to **measure** the quality of points in a constellation, to send a
  corrective signal back to **adjust** the **power** , and to iterate until a
  threshold is met or an optimum is found. Numerous other...corrective
  signal (e.g., decrease by 4dB from maximum) must be sent by the receiving
  modem back to the transmitting **modem** . Those skilled in the art will
  appreciate that the transfer of information from the receiving **modem** to
  the sending (transmitting) **modem** for indicating the appropriate **power**
  level for operating over the particular channel being utilized can be
  accomplished in numerous ways...

...or at other times during the handshake and/or transfer of data. In fact,
  if **measurements** are made at intervals or continuously during data
  transmission, and appropriate information is sent back to the
  transmitting **modem** , the system can adapt to **changes** in the channel
  which might occur during data transmission.
    A third scheme for adjusting the...

00570439
Method and apparatus for selecting optimum receiving frequency in a

multichannel receiver
Verfahren und Vorrichtung zum Auswahlen der optimalen Empfangsfrequenz in einem Vielkanalempfanger
Procede et dispositif pour la selection d'une frequence receptrice optimale dans un recepteur a canaux multiples
PATENT ASSIGNEE:
  NOKIA MOBILE PHONES LTD., (997961), P.O. Box 86, 24101 Salo, (FI),
    (applicant designated states: DE;FR;GB;SE)
INVENTOR:
  Korhonen,Veijo, Kuivastie 17 as. 5, SF-90500 Oulu, (FI)
  Ojanpera,Tero, Tornipolku 10 as. 44, SF-90100 Oulu, (FI)
LEGAL REPRESENTATIVE:
  Frain, Timothy John (50185), Patent Department Nokia Mobile Phones St
    Georges Court St Georges Road, Camberley, Surrey GU15 3QZ, (GB)
PATENT (CC, No, Kind, Date):   EP 560475   A1   930915 (Basic)
                               EP 560475   B1   980826
APPLICATION (CC, No, Date):   EP 93300269 930115;
PRIORITY (CC, No, Date): FI 921026 920309
DESIGNATED STATES: DE; FR; GB; SE
INTERNATIONAL PATENT CLASS: H03J-001/00; H04B-001/40;
ABSTRACT WORD COUNT: 120

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text   Language   Update   Word Count
      CLAIMS B   (English)   9835   592
      CLAIMS B   (German)   9835   511
      CLAIMS B   (French)   9835   674
      SPEC B   (English)   9835   2893
Total word count - document A   0
Total word count - document B   4670
Total word count - documents A + B   4670

...SPECIFICATION increment a check is made with the A/D-converter 2 (figure
  1), whether the **required**   **voltage**   or RSSI **level**   is received. If a
  required RSSI **level**   is not found at the checked frequency, the
  frequency of the synthesizer is **changed**   to the next increment.
  Accordingly, if no **required**   RSSI **level**   is found on the whole channel,
  the next channel is selected. When the **required**   RSSI **level**   is found,
  the **modem**   3 checks (in transmission the modulator 3 and in reception
  the demodulator 3), whether an...
...the crystal 8a providing the frequency to the voltage controlled crystal
  oscillator 8 can be **measured**   during the use of the radio telephone with
  the temperature sensor 6, e.g. an...

...on the tuning made in the production. Based on the temperature of the
  crystal 8a **measured** by the temperature sensor 6 and on the frequency of
  the received signal the processor...

...processor 5 can update the temperature diagram in the memory in
  accordance with the temperature **measurements**   and the frequencies of the
  received signals.
    When the radio telephone power is switched on...

 15/3,K/19   (Item 4 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00443669
TRAFFIC CONGESTION MONITORING SYSTEM
VERKEHRSSTAU-UBERWACHUNGSANLAGE
SYSTEME DE CONTROLE D'ENCOMBREMENT DES ROUTES
PATENT ASSIGNEE:
  MARTELL, David Kenneth, (1248970), Honeysuckle House, Green End,
    Shillington, Bedfordshire, (GB), (applicant designated states:
    AT;BE;CH;DE;FR;GB;IT;LI;NL)

WILLIAMS, Ian Robert, (1248980), 25 Pemberley Avenue, Bedford, (GB),
    (applicant designated states: AT;BE;CH;DE;FR;GB;IT;LI;NL)
INVENTOR:
  MARTELL, David Kenneth, Honeysuckle House, Green End, Shillington,
    Bedfordshire, (GB)
  WILLIAMS, Ian Robert, 25 Pemberley Avenue, Bedford, (GB)
LEGAL REPRESENTATIVE:
  Burrows, Anthony Gregory et al (29013), Business Centre West Avenue One,
    Business Park, Letchworth Garden City Hertfordshire SG6 2HB, (GB)
PATENT (CC, No, Kind, Date):   EP 408699   A1   910123 (Basic)
                               EP 408699   B1   980121
                               WO 9005969   900531
APPLICATION (CC, No, Date):   EP 90900948 891114;   WO 89GB1348   891114
PRIORITY (CC, No, Date): GB 8826624 881114
DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IT; LI; NL
INTERNATIONAL PATENT CLASS: G08G-001/09;
NOTE:
  No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9804	1342
CLAIMS B	(German)	9804	1262
CLAIMS B	(French)	9804	1620
SPEC B	(English)	9804	3695
Total word count - document A			0
Total word count - document B			7919
Total word count - documents A + B			7919

...SPECIFICATION carriageway 8 to enable the unit 1 to report hold-ups in
  either direction.
    The **detectors** 7 are mounted about 35ft above the traffic. Each
 detector 7 produces two obliquely downwardly directed beams 7' and 7" of
  infrared radiation each extending...
...V travelling in the direction A of traffic flow intercepts the first
  beam 7', the **detector** 7 emits a first electrical signal which is passed
  via a line 8 to a computer kernel 9 and, as the vehicle intercepts the
  second beam 7", the **detector** emits a second signal which is again
  passed via the line 8 to the kernel...

...data logger 10 comprising a 256K byte RAM backed by a battery 11 through
  a **power** supply unit 12. The kernel also includes a timer which
 measures the time interval between the two signals, such time interval
  naturally representing the speed of...

...given time period of, say, three minutes, the kernel 9 sends a message
  to a **modem** 13 the output of which is connected by a telephone line 14
  to the control centre 2. The timer is **adjustable** to set the threshold
  value. Connected to the kernel 9 is a bank 15 of...

...1 is tampered with. By way of a line 17, the kernel 9 monitors the
 output voltage of the battery 11 and, if the **voltage** falls below a
 desired   level , the kernel sends a warning message to the centre 2.
    In an alternative version (not...

  15/3,K/20   (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00275975
Echo cancelling device with phase-roll correction.
Echokompensationseinrichtung mit Korrektur von Phasenabweichungen.
Dispositif d'annulation d'echos avec correction de la variation de phase.
PATENT ASSIGNEE:
  International Business Machines Corporation, (200120), Old Orchard Road,
    Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB;IT)

INVENTOR:
  Belloc, Jacques, 6, rue Paul Bourget, F-06600 Antibes, (FR)
  Morlec, Emile, 353 Chemin des Gardettes, Sine-F-06570 Saint Paul, (FR)
  Godard, Dominique, 24, Chemin du Moulin, Opio-F-06650 Le Rouret, (FR)
  Quintin, Michel, Quartier Serens, F-06610 La Gaude, (FR)
LEGAL REPRESENTATIVE:
  Bonneau, Gerard (14161), Compagnie IBM France Departement de Propriete
      Intellectuelle, F-06610 La Gaude, (FR)
PATENT (CC, No, Kind, Date):   EP 287743 A1 881026 (Basic)
                               EP 287743 B1 930303
APPLICATION (CC, No, Date):   EP 87430015 870422;
PRIORITY (CC, No, Date): EP 87430015 870422
DESIGNATED STATES: DE; FR; GB; IT
INTERNATIONAL PATENT CLASS: H04B-003/23;
ABSTRACT WORD COUNT: 140

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text   Language   Update   Word Count
      CLAIMS B (English)   EPBBF1   643
      CLAIMS B   (German)   EPBBF1   660
      CLAIMS B   (French)   EPBBF1   769
      SPEC B   (English)   EPBBF1   4867
Total word count - document A   0
Total word count - document B   6939
Total word count - documents A + B   6939

  ...SPECIFICATION the actual value and the estimated value of the echo, as
  an input when the **modem** is in training mode. The PGA value is set at
  the beginning of the transmission, by **measuring** the signal **energy** at
  the A/D converter output signal. It may happen that, because of a noise
  burst for instance, this **energy** **measurement** be not accurate,
  especially if fast set-up is required, resulting in a bad adjustment of
  the PGA. Thus, observing a signal with low **energy** at the A/D converter
  ...output may result from either a good cancellation of the echo, either
  from a bad **adjustment** of the PGA, without the possibility of
  distinguishing between the two possibilities.
    The above drawback...

  15/3,K/21   (Item 6 from file: 348)
  DIALOG(R)File 348:EUROPEAN PATENTS
  (c) 2001 European Patent Office. All rts. reserv.

  00275972
  Echo cancelling device for data transmission over two-wire line.
  Echokompensationseinrichtung   fur   Datenubertragung   uber   eine
      Zweidrahtleitung.
  Dispositif d'annulation d'echos pour transmission de donnees sur ligne a
      deux fils.
  PATENT ASSIGNEE:
    International Business Machines Corporation, (200120), Old Orchard Road,
      Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB;IT)
  INVENTOR:
    Belloc, Jacques, 6, rue Paul Bourget, F-06600 Antibes, (FR)
    Morlec, Emile, 353 Chemin des Gardettes, Sine F-06570 St Paul, (FR)
    Godard, Dominique, 24, Chemin du Moulin, Opio F-06650 Le Rouret, (FR)
    Quintin, Michel, Quartier Serens, F-06610 La Gaude, (FR)
  LEGAL REPRESENTATIVE:
    Bonneau, Gerard (14161), Compagnie IBM France Departement de Propriete
        Intellectuelle, F-06610 La Gaude, (FR)
  PATENT (CC, No, Kind, Date):   EP 287742 A1 881026 (Basic)
                                 EP 287742 B1 930113
  APPLICATION (CC, No, Date):   EP 87430012 870422;
  PRIORITY (CC, No, Date): EP 87430012 870422
  DESIGNATED STATES: DE; FR; GB; IT
  INTERNATIONAL PATENT CLASS: H04B-003/23;

ABSTRACT WORD COUNT: 126

...SPECIFICATION energy level range between -6 dBm and -43 dBm, the near
  echo signal has the same energy level range (but independent) and the
  far echo signal has an energy level at least 10dBm lower than the
  energy level of the remote incoming signal. An analog-to-digital
  converter such as converter 34 has a limited precision which does not
  apply on the whole energy level range. Thus, if the converter is adapted
  to receive a signal of -6dBm as a maximum energy level, only 5
  significant bits will be provided by the analog-to-digital converter with
  an input signal at -43 dBm , which is very insufficient.
     Accordingly, it would be necessary to include a programmable gain
  amplifier...

...34 so as to fully utilize the A/D converter dynamic range whichever be
  the energy level of the incoming signal. Such a PGA would require to
  include a selectable gain...
?t16/3,k/all

  16/3,K/1   (Item 1 from file: 349)
DIALOG(R)File 349:PCT Fulltext
(c) 2001 WIPO/MicroPat. All rts. reserv.

00570519   **Image available**
VIDEOPHONE   APPARATUS, METHOD   AND   SYSTEM   FOR   WIRELINE   AUDIO AND VIDEO
    CONFERENCING AND TELEPHONY
APPAREIL, PROCEDE ET SYSTEME DE VIDEOTELEPHONIE DESTINES A L'AUDIO ET VIDEO
    CONFERENCE ET TELEPHONIE PAR CABLE
Patent Applicant/Assignee:
  MOTOROLA INC, MOTOROLA INC. , 1303 East Algonquin Road, Schaumburg, IL
    60196 , US
Inventor(s):
  BURKE Timothy M, BURKE, Timothy, M. , 1811 Waverly Lane, Algonquin, IL
    60102 , US
  NEWLIN Douglas, NEWLIN, Douglas , 2794 Miller Road, Geneva, IL 60134 , US
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9815124 A1 19980409
  Application: WO 97US17870 19971001   (PCT/WO US9717870)
  Priority Application: US 96726329 19961003
Designated States: AU BR CN ID RU
Publication Language: English
Filing Language: English
Fulltext Word Count: 18417
Fulltext Availability:
  Detailed Description

Detailed Description
... 320 is a dial (or data) access arrangement (DAA) 325, which receives
  an analog signal transmitted on the analog telephony line 107. DAAs are
  known in the prior art and may...

...an integrated circuit, such as a Cermetek CH1837, and performs such
  functions as impedance matching, power level adjustment , isolation,
  surge voltage protection, and ring detection functions. Connected to the
  DAA 325 is a...

...line 107 to sampled, digital form, and converts sampled, digital
information to analog form for **transmission** over the line 107. The
codec 330 is also referred to as a network codec...

...functions when in telephony mode, as discussed in greater detail below.
When utilized in this **analog** **modem** role (V.x functions), the voice
DSP 415 operates in conjunction with the video processing...

16/3,K/2   **(Item 2 from file: 349)**
DIALOG(R)File 349:PCT Fulltext
(c) 2001 WIPO/MicroPat. All rts. reserv.

00570518   **Image available**
**APPARATUS, METHOD AND SYSTEM FOR WIRELINE AUDIO AND VIDEO CONFERENCING AND
TELEPHONY**
**APPAREIL, PROCEDE ET SYSTEME DE TELEPHONIE ET DE TELECONFERENCE AUDIO ET
VIDEO POUR LIGNES CABLEES**
Patent Applicant/Assignee:
  MOTOROLA INC, MOTOROLA INC. , 1303 East Algonquin Road, Schaumburg, IL
    60196 , US
Inventor(s):
  BURKE Timothy M, BURKE, Timothy, M. , 1811 Waverly Lane, Algonquin, IL
    60102 , US
  NEWLIN Douglas, NEWLIN, Douglas , 2794 Miller Road, Geneva, IL 60134 , US
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9815123 A1 19980409
  Application: WO 97US17869 19971001   (PCT/WO US9717869)
  Priority Application: US 96725602 19961003
Designated States: AU BR CN ID RU
Publication Language: English
Filing Language: English
Fulltext Word Count: 14020
Fulltext Availability:
  Detailed Description

Detailed Description
... 320 is a dial (or data) access arrangement (DAA) 325, which receives
an analog signal **transmitted** on the analog telephony line 107. DAAs are
known in the prior art and may...

...an integrated circuit, such as a Cermetek CH1837, and performs such
functions as impedance matching, **power** level **adjustment** , isolation,
surge voltage protection, and ring detection functions. Connected to the
DAA 325 is a...

...line 107 to sampled, digital form, and converts sampled, digital
information to analog form for **transmission** over the line 107. The
codec 330 is also referred to as a network codec...

...functions when in telephony mode, as discussed in greater detail below.
When utilized in this **analog** **modem** role (V.x functions), the

16/3,K/3   **(Item 3 from file: 349)**
DIALOG(R)File 349:PCT Fulltext
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00432016
**DATA COMMUNICATIONS DEVICE TO SELECTIVELY OPERATE AS AN ANALOG MODEM, A
DIGITAL MODEM, AND A TERMINAL ADAPTER**
**DISPOSITIF DE TRANSMISSION DE DONNEES FONCTIONNANT DE MANIERE SELECTIVE
COMME MODEM ANALOGIQUE, MODEM NUMERIQUE ET ADAPTATEUR DE TERMINAL**
Patent Applicant/Assignee:
  MOTOROLA INC
Inventor(s):
  BLACKWELL Steven R

PEARSON John Timothy
FRIDLIN Charles C
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9627241 A1 19960906
  Application: WO 96US125 19960104 (PCT/WO US9600125)
  Priority Application: US 95395332 19950228
Designated States: BR CA FI JP KR SG AT BE CH DE DK ES FR GB GR IE IT LU MC
  NL PT SE
Publication Language: English
Fulltext Word Count: 7846

Fulltext Availability:
  Detailed Description

Detailed Description
... this mode, the data communications device 300 is operating in a first
  mode as an **analog modem** . The first interface circuit such as the
  analog interface circuit 314 would also typically provide a variety of
  functions, such as **power** level setting, impedance matching, and may
  include hybrid circuitry to transfer information from two sets of twisted
  pair **transmission** lines to one pair of **transmission** lines.

  The processor 370 is further coupled to the second (PCM) codec 316 via
  bus...

  16/3,K/4   (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2001 European Patent Office. All rts. reserv.

00950285
**Self-contained apparatus and method of monitoring telecommunications
  equipment**
**Unabhangiges Gerat und Verfahren zur Uberwachung einer
  Telekommunicationsvorrichtung**
**Appareil autonome et methode de surveillance d'equipement de
  telecommunication**
PATENT ASSIGNEE:
  Siemens Business Communication Systems, Inc., (1897265), 4900 Old
    Ironside Drive, Santa Clara, CA 95054, (US), (applicant designated
    states: AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)
INVENTOR:
  Reynaud, Alan E., 28110 La Terrace Ct., San Jose, CA 95123, (US)
  Churchill, Robert, Jr., 464 S., 9th Street, San Jose, CA 95112, (US)
  Guzman, Sandra, 100 Buckingham Drive, Apt. 232, Santa Clara, CA 95051,
    (US)
  Amin, Daksha, 427 Offenbach Pl., Sunnyvale, CA 94087, (US)
  Zeringue, Alan J., 525 Hassinger Road, San Jose, CA 95111, (US)
LEGAL REPRESENTATIVE:
  Allen, Derek (55496), Siemens Group Services Limited, Intellectual
    Property Department,Siemens House, Oldbury, Bracknell, Berkshire RG12
    8FZ, (GB)
PATENT (CC, No, Kind, Date): EP 862310 A2 980902 (Basic)
APPLICATION (CC, No, Date):   EP 98102047 980206;
PRIORITY (CC, No, Date): US 808208 970228
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;
  MC; NL; PT; SE
INTERNATIONAL PATENT CLASS: H04M-003/22;
ABSTRACT WORD COUNT: 239

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
      CLAIMS A (English)   9836   853
      SPEC A   (English)   9836   3380
Total word count - document A   4233
Total word count - document B   0

...SPECIFICATION commercially available analog modem, ISDN adaptor, or the
like may be used and may be **changed** , as desired. The connection to the
jack 54 provides **power** and control signals to the communications
module. In Fig. 2, the **power** connections are represented by line 56,
while line 58 represents a connection for **transmitting** control signals
to the communications module and receiving any input signals that are
transmitted from the service center to the controller.
    The monitoring apparatus of Fig. 3 also includes...
?t17/3,k/all

17/3,K/1   (Item 1 from file: 349)
DIALOG(R)File 349:PCT Fulltext
(c) 2001 WIPO/MicroPat. All rts. reserv.

00675463   **Image available**
**METHODS AND APPARATUS FOR VERIFYING TRANSMIT POWER LEVELS IN A SIGNAL POINT
    LIMITED TRANSMISSION SYSTEM**
**PROCEDES ET APPAREIL PERMETTANT DE VERIFIER DES NIVEAUX DE PUISSANCE
    D'EMISSION DANS UN SYSTEME DE TRANSMISSION LIMITE A POINT DE SIGNAL**
Patent Applicant/Assignee:
  CONEXANT SYSTEMS INC, CONEXANT SYSTEMS, INC. , Intellectual Property
    Dept., Mail Code E09-900, 4311 Jamboree Road, Newport Beach, CA
    92660-3095 , US
Inventor(s):
  OLAFSSON Sverrir, OLAFSSON, Sverrir , Thingholtsstraeti 14, IS-101
    Reykjavik , IS
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9959323 A1 19991118
  Application: WO 99US6749 19990329 (PCT/WO US9906749)
  Priority Application: US 9875719 19980511
Designated States: CA JP NO AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL
  PT SE
Publication Language: English
Filing Language: English
Fulltext Word Count: 8236
Fulltext Availability:
  Detailed Description

Detailed Description
... transmit power regulations.

  As mentioned above, regulatory bodies may place limits on the total
  average **power** utilized for a given data communication session. Because
  the transmit **power** limitations may vary from country to country, the
  digital modem in a 56 kbps system may initially provide the maximum
  transmit **power** limit to the **analog modem** such that the **analog
  modem** can design an appropriate signal point constellation set.

  Accordingly, after the appropriate signal point constellations are
  selected, the total average transmit power may be computed by the **analog
  modem** to ensure that the transmit **power** of the constellation set
  does not exceed the **power** limit. However, without an independent
  verification of the transmit **power** associated with the signal point
  constellations, the **digital modem** may utilize a signal point
  constellation set that, due to computational errors on the part of the
  analog modem , exceeds the maximum **power** limit.
  As mentioned above, conventional 56 kbps modem systems perform
  constellation design and power calculation at the **analog modem** (i.e.,
  the client-end modem) after obtaining a maximum transmit **power** limit
  from the **digital modem** (i.e., the server-end modem). Unfortunately,
  the manner in which the analog and **digital modems** calculate the total
  average transmit **power** may vary from one device to the next. In other
  words, the same transmit **power** formula may not be rigidly followed by
  all modem devices. Consequently, the analog and **digital modems** may
  generate inconsistent transmit **power** calculations for the same signal

point constellations.

Even if the analog and **digital** **modems** are in agreement with respect to the transmit **power** formula, practical operating limitations (such as processor bit resolution or the use of finite precision arithmetic) may introduce round off errors to the **power** verification procedure. Thus, like the above situation where two different transmit **power** formulas are employed, the analog and **digital** **modems** may obtain different transmit **power** results for the same signal point constellation set. The calculation of different results utilizing the same transmit **power** formula may adversely affect any verification routine performed by the **digital** **modem** . For example, the **digital** **modem** may reject signal point constellations for exceeding the transmit **power** limit even though the **analog** **modem** designed the constellations to be within the **power** limit and even though the **analog** **modem** may have already performed an initial verification.

Present 56 kbps modem systems may not consider...

17/3,K/2   **(Item 2 from file: 349)**
DIALOG(R)File 349:PCT Fulltext
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00674123   **Image available**
SYSTEM AND METHOD FOR PROVIDING MODULAR CONTROL AND FOR MANAGING ENERGY CONSUMPTION
SYSTEME ET PROCEDE PERMETTANT D'OBTENIR UNE COMMANDE MODULAIRE ET DE GERER LA CONSOMMATION D'ENERGIE
Patent Applicant/Assignee:
  INTELLINET INC, INTELLINET, INC. , 2900 South Horseshoe Drive, Naples, FL 33942 , US
Inventor(s):
  STEIN Michael, STEIN, Michael , 10862 Longshore Way West, Naples, FL 34104 , US
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9957646 A1 19991111
  Application: WO 98US8584 19980430   (PCT/WO US9808584)
  Priority Application: WO 98US8584 19980430
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
  FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD
  MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ
  VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH
  CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML
  MR NE SN TD TG
Publication Language: English
Filing Language: English
Fulltext Word Count: 12681

Fulltext Availability:
  Detailed Description

Detailed Description
... lowered with minimal impact on the occupants.

  The control system 10 may also include the **energy** management task unit 54F for managing the **energy** consumption in a building. The **energy** management task unit 54F permits an occupant to respond in real-time to fluctuations in...

...28 and communicate with the utility company over the telephone lines, such as with an **analog** **modem** , a **digital** **modem** over ISDN lines, or with an ADSL transceiver. The control system 10 may also receive...

...control system 10 receives this updated rate information, the operating system 16 wakes up the **energy** task unit 54F at s 202 and the **energy** task unit 54F queries the control database unit 44 for the set commands

associated with...commands and the command execution unit 50 at step 205 provides the commands to the **energy** task unit 54F as well as to any other affected task units 54.

At step...

17/3,K/3   (Item 3 from file: 349)
DIALOG(R)File 349:PCT Fulltext

00561919   **Image available**
ASYMMETRIC MODEM COMMUNICATIONS SYSTEM AND METHOD
SYSTEME ET PROCEDE DE COMMUNICATIONS ASYMETRIQUES PAR MODEMS
Patent Applicant/Assignee:
  PARADYNE CORPORATION, PARADYNE CORPORATION , 8545 126th Avenue North,
    P.O. Box 2826, Largo, FL 33773 , US
Inventor(s):
  BETTS William Lewis, BETTS, William, Lewis , 2016 Montana Avenue N.E.,
    St. Petersburg, FL 33703 , US
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9807248 A1 19980219
  Application: WO 97US7560 19970505   (PCT/WO US9707560)
  Priority Application: US 96696776 19960813
Designated States: BR CA CN JP KR MX RU AT BE CH DE DK ES FI FR GB GR IE IT
  LU MC NL PT SE
Publication Language: English
Filing Language: English
Fulltext Word Count: 5570

Fulltext Availability:
  Detailed Description

Detailed Description
... 102.

  Moreover, unresolvable levels are discarded and not utilized.

  In order to check levels, the **digital   modem** 101 transfers levels to
  the **analog   modem** 102, which in turn records the received level at the
  output of the equalizer 294. The **analog   modem** 102 evaluates the
  received **power** levels, makes a determination as to which are resolvable
  and which are not, constructs a table of usable resolvable levels, and
  advise& the **digital   modem** 101 of the same.

  Slave timing may also be employed to eliminate the need for...

17/3,K/4   (Item 4 from file: 349)
DIALOG(R)File 349:PCT Fulltext

00525860   **Image available**
COMMUNICATION SYSTEM WITH MULTICARRIER TELEPHONY TRANSPORT
**SYSTEME DE COMMUNICATION AVEC TRANSMISSION TELEPHONIQUE PAR PORTEUSES
  MULTIPLES**
Patent Applicant/Assignee:
  ADC TELECOMMUNICATIONS INC
  DAPPER Mark J
  GEILE Michael J
  HILL Terrance J
  ROBERTS Harold A
  ANDERSON Brian D
  BREDE Jeffrey
  WADMAN Mark S
  KIRSCHT Robert J
  HERRMANN James J

FORT Michael J
BUSKA Steven P
SOLUM Jeff
ENFIELD Debra Lea
BERG Darrell
SMIGELSKI Thomas
TUCKER Thomas C
HALL Joe
LOGAJAN John M
BOUALOUANG Somway
LOU Heng
ELPERS Mark D
DOWNS Matt
FERRIS Tammy
OPOCZYNSKI Adam
RUSSELL David S
Inventor(s):
DAPPER Mark J
GEILE Michael J
HILL Terrance J
ROBERTS Harold A
ANDERSON Brian D
BREDE Jeffrey
WADMAN Mark S
KIRSCHT Robert J
HERRMANN James J
FORT Michael J
BUSKA Steven P
SOLUM Jeff
ENFIELD Debra Lea
BERG Darrell
SMIGELSKI Thomas
TUCKER Thomas C
HALL Joe
LOGAJAN John M
BOUALOUANG Somway
LOU Heng
ELPERS Mark D
DOWNS Matt
FERRIS Tammy
OPOCZYNSKI Adam
RUSSELL David S

Fulltext Availability:
  Detailed Description

Detailed Description
... by a series of splitters between several individual fibers servicing
   outstations. The network allows for **digital** speech data to be
   transmitted from the outstations to the central station via the same...
   times, often called high data throughput.

   In addition to the speed and data-throughput requirements, **power**
   consumption is a major concern for many applications. In some signal
   -processing applications, **power** is supplied by portable generation or

storage equipment, such as batteries, where the ultimate **power** available is limited by many environment. In such applications, processor **power** consumption must be as low as possible. One useful measure of utility or merit for FFT processors is the **energy** dissipation per transform point. Ultimately, one key problem with any FFT processor is the amount of **power** consumed per transform. Generally, high-performance, efficient FFT processors exhibit **energy** dissipations per transform in the range of 100 to 1000 times 1092N nanojoules, where N ...

...a consequence, reasonably large transforms required to process large arrays of data, result in large **power** consumption.

Machine-implemented computation of an FFT is often simplified by cascading together a series...

DIALOG(R)File 349:PCT Fulltext
(c) 2001 WIPO/MicroPat. All rts. reserv.

00714055   **Image available**
LOCK DETECTOR FOR PHASE LOCKED LOOPS
DETECTEUR DE VERROUILLAGE POUR BOUCLES A VERROUILLAGE DE PHASE
Patent Applicant/Assignee:
  BROADCOM CORPORATION, 16215 Alton Parkway, Irvine, CA 92618, US, US
    (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
  TAN Loke Kun, 24412 Rue de Monet, Laguna Niguel, CA 92677, US, US
    (Residence), US (Nationality), (Designated only for: US)
  ETEMADI Farzad, 322 Knollglen, Irvine, CA 92614, US, US (Residence), IR
    (Nationality), (Designated only for: US)
  YUEN Denny, 19337 Hinsdale Avenue, Torrance, CA 90503, US, US (Residence)
    , US (Nationality), (Designated only for: US)
  TSAI Shauhyarn (Shaun), 4724 Sara Drive, Torrance, CA 90506, US, US
    (Residence), -- (Nationality), (Designated only for: US)
Legal Representative:
  ELDREDGE John W, Christie, Parker & Hale, LLP, P.O. Box 7068, Pasadena,
    CA 91109-7068, US
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200027033 A1 20000511 (WO 0027033)
  Application: WO 99US25970 19991104   (PCT/WO US9925970)
  Priority Application: US 98107104 19981104
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK
  DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
  LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ
  TM TR TT TZ UA UG US UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 5349

Fulltext Availability:
  Detailed Description

Detailed Description
... and FPLLs play a significant role in the effective operation of
  various portions of a **modem   digital** communication system. Indeed, it
  is difficult to conceive of a **modem** high-speed **digital** communications
  system that does not make extensive use of precision PLLs.
  I Notwithstanding the necessity...

DIALOG(R)File 349:PCT Fulltext
(c) 2001 WIPO/MicroPat. All rts. reserv.

00547236   **Image available**
SELF­CONTAINED TRANSPORTABLE LIFE SUPPORT SYSTEM
SYSTEME AUTONOME ET TRANSPORTABLE POUR LE MAINTIEN EN VIE DE PATIENTS
Patent Applicant/Assignee:
  NORTHROP GRUMMAN CORPORATION, NORTHROP GRUMMAN CORPORATION , 1840 Century
    Park East, Los Angeles, CA 90067­2199 , US
Inventor(s):
  HOOD David D, HOOD, David, D. , 2820 Signal Point, Signal Hills, CA 90804
    , US
  SHERILL David, SHERILL, David , 9568 Reverie Road, Tujunga, CA 91042 , US
  KNEALE Todd D, KNEALE, Todd, D. , 1048 S. Idaho Street &8, La Habra, CA
    90631 , US
  TOTH Louis S, TOTH, Louis, S. , 7892 Lemonwood Circle, La Palma, CA 90623
    , US

STANLEY David M, STANLEY, David, M. , 8456 E. Meadow Ridge, Anaheim, CA
    92808 , US
MOORE Gene B, MOORE, Gene, B. , 2550 N. Meadow Grove Road, Orange, CA
    92667 , US
BERRY Mark L, BERRY, Mark, L. , 2344 Lake Terrace Drive, Chino Hills, CA
    91709 , US
GARCIA Robert M, GARCIA, Robert, M. , 41 Oxbow Creek Lane, Laguna Hills,
    CA 92653 , US
HANKS Donald, HANKS, Donald , 5141 Elvira Road, Woodland Hills, CA 91364
    , US
SHULTZ Douglas E, SHULTZ, Douglas, E. , 1100 Orangewood Drive, Brea, CA
    92821 , US
BRAYTON John R, BRAYTON, John, R. , 14980 Spinning Avenue, Gardena, CA
    90249 , US
CLARK walter D, CLARK, walter, D. , 824 Valley View, Fullerton, CA 92635
    , US
SOBKO William R, SOBKO, William, R. , 23022 Fonthill Avenue, Torrance, CA
    90505 , US
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9748355 A1 19971224
  Application: WO 97US10588 19970617   (PCT/WO US9710588)
  Priority Application: US 96667693 19960621
Designated States: AU BR JP MX AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL
  PT SE
Publication Language: English
Filing Language: English
Fulltext Word Count: 95856

Fulltext Availability:
  Detailed Description

Detailed Description
... medical devices are stored and can there be quickly reconfigured for a
  particular use, as **desired** .

  Medical treatment devices of the present invention are responsive to the
  medical monitoring devices thereof...declared in the Main Unit's first
  var.) fThis is another way to initialize a **digital** control. When main
  screen comes on, it notices this toggle and responds by calling
  sucControl...

21/3,K/3   (Item 3 from file: 349)
DIALOG(R)File 349:PCT Fulltext
(c) 2001 WIPO/MicroPat. All rts. reserv.

00431955   **Image available**
**SYSTEMS AND METHODS FOR SECURE TRANSACTION MANAGEMENT AND ELECTRONIC RIGHTS
    PROTECTION**
**SYSTEMES ET PROCEDES DE GESTION SECURISEE DE TRANSACTIONS ET DE PROTECTION
    ELECTRONIQUE DES DROITS**
Patent Applicant/Assignee:
  ELECTRONIC PUBLISHING RESOURCES INC
Inventor(s):
  GINTER Karl L
  SHEAR Victor H
  SPAHN Francis J
  VAN WIE David M
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9627155 A2-A3 19960906
  Application: WO 96US2303 19960213   (PCT/WO US9602303)
  Priority Application: US 95388107 19950213
Designated States: AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB
  GE HU IS JP KE KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO
  RU SD SE SG SI TM TR TT UA UG UZ VN KE LS MW SD SZ UG AZ BY KG KZ RU TJ
  TM AT BE CH DE FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML
  MR NE SN TD TG

Publication Language: English
Fulltext Word Count: 205184

Fulltext Availability:
  Detailed Description

Detailed Description
... public key techniques such as RSA to protect communications and to
  provide the benefits of **digital** signature and authentication to
  securely bind together the nodes of a VDE arrangement, secure processing
  ...ad hoc selection of different, unanticipated variable user selected
  aggregations of information increments and pricing **levels** can be, at
  least in part, based on quantities and/or nature of mixed increment...

  ...information and is more flexible than being limited to a single, or a
  few, high **level** , (e.g. product, document, database record)
  predetermined increments. Such high level increments may include
  quantities...

 21/3,K/4   (Item 4 from file: 349)
DIALOG(R)File 349:PCT Fulltext
(c) 2001 WIPO/MicroPat. All rts. reserv.

00321078
**SYSTEM   FOR   DIVIDING   PROCESSING   TASKS   INTO   SIGNAL   PROCESSOR   AND
   DECISION-MAKING MICROPROCESSOR INTERFACING**
**SYSTEME DE   SEPARATION DES TACHES DE TRAITEMENT EN TACHES POUR INTERFACAGE
   AVEC   UN   PROCESSEUR   DE   SIGNAUX   ET   UN   MICROPROCESSEUR   DE PRISE DE
   DECISION**
Patent Applicant/Assignee:
  STAR SEMICONDUCTOR CORPORATION
Inventor(s):
  ROBINSON Jeffrey I
  ROUSE Keith
  KRASSOWSKI Andrew J
  MONTLICK Terry F
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9308524 A1 19930429
  Application: WO 92US8954 19921014   (PCT/WO US9208954)
  Priority Application: US 91776161 19911015
Designated States: AU CA JP KR AT BE CH DE DK ES FR GB GR IE IT LU MC NL SE
Publication Language: English
Fulltext Word Count: 203416
Fulltext Availability:
  Claims

Claim
... 1* output file pointer 11
  char *fiLename; /* output file name */
  char *design-name; 11 top **Level** schematic name GROUPS 'top-group; /*
  pointer to top group int netList 1; 1* net Listing...

 21/3,K/5   (Item 5 from file: 349)
DIALOG(R)File 349:PCT Fulltext
(c) 2001 WIPO/MicroPat. All rts. reserv.

00278632
REMOTELY CONTROLLED SECURITY LIGHTING
SYSTEME D'ECLAIRAGE DE SECURITE COMMANDE A DISTANCE
Patent Applicant/Assignee:
  BIEREND Gary D
Inventor(s):
  BIEREND Gary D
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9108635 A1 19910613

Application: WO 89US5265 19891127 (PCT/WO US8905265)
  Priority Application: WO 89US5265 19891127
Designated States: AT BE CH DE ES FR GB IT JP LU NL SE US
Publication Language: English
Fulltext Word Count: 5385

Fulltext Availability:
  Claims

Claim
... means to receive and encode the input signals from said
  light selector switch, said light **power**
  switch and said joystick into a binary
  coded signal,
  (5) a first universal asynchronous receiver...

...the means to receive and convert the binary coded signal from said
  encoder into a **digital** serial data format, (6) a first **power** line
  modem having the means to receive and convert the serial data format from
  said first UART into a modulated signal, (7) a first **power** line
  interface having the means to receive, process and apply the modulated
  signal to a standard first utility **power** connector from where the
  signals are communicated via the utility **power** lines to a remote
  standard second utility **power** connector from where the signals are
  applied to said remote light/receiving unit, (8) a first **power** supply
  having the means to provide the **required** **power** **levels** to operate
  the circuits of said master

  control/transmitting unit,
  B. said remote light/receiving...

 21/3,K/6   (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2001 European Patent Office. All rts. reserv.

00810669
Capacity allocation for OFDM
Zuweisung von Kapazitat bei OFDM
Allocation de capacite pour MDFO
PATENT ASSIGNEE:
  ALCATEL BELL Naamloze Vennootschap, (268515), Francis Wellesplein 1,
    B-2018 Antwerpen 1, (BE), (applicant designated states:
    BE;DE;ES;FR;GB;IT;NL;SE)
INVENTOR:
  Peeters, Johan, Wijngaardlaan 6, B-3001 Heverlee, (BE)
  Spruyt, Paul Marie Pierre, Prinses Lydialaan 54, B-3001 Heverlee, (BE)
  Van Kerckhove, Jean-Francois, 162, rue de Hamme-Mille, B-1390 Nethen,
    (BE)
LEGAL REPRESENTATIVE:
  Narmon, Gisele Marie Therese et al (83944), Alcatel Bell N.V.
    Intellectual Property Department Francis Wellesplein 1, 2018 Antwerpen,
    (BE)
PATENT (CC, No, Kind, Date): EP 753948 A1 970115 (Basic)
APPLICATION (CC, No, Date):   EP 95201899 950711;
PRIORITY (CC, No, Date): EP 95201899 950711
DESIGNATED STATES: BE; DE; ES; FR; GB; IT; NL; SE
INTERNATIONAL PATENT CLASS: H04L-005/06;
ABSTRACT WORD COUNT: 149

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
      CLAIMS A (English)   EPAB97   1540
      SPEC A   (English)   EPAB97   6236
Total word count - document A   7776
Total word count - document B   0

...SPECIFICATION known in the art, e.g. from the US Patent 4,679,227, entitled 'Ensemble **modem** structure for imperfect transmission media' from the inventor Dirk Hughes-Hartogs. Therein, a **modem** is described which transmits and receives **digital** data on a set of carriers called an ensemble of carrier frequencies. The **modem** includes a system for variably allocating data elements or data, and **power** to the carrier frequencies to be transmitted via a telephone line. In a first step, the method performed by this data and **power** allocating system determines for each carrier frequency the equivalent noise component. Obviously, this is equal to measuring for each carrier frequency the signal noise ratio (SNR) provided that the signal **power** during this measurement equals 1 **power** unit. As is described on lines 21-24 of column 11 of the above mentioned...

...the data elements with a given maximum bit error rate (BER) to calculate therefrom the **required** transmission **power** **levels** , marginal **required** **power** **levels** for each carrier frequency and data element allocation. As stated on lines 26-27 of...

...the known method are then allocated one by one to the carriers requiring the lowest **power** cost to increase the constellation complexity. In this way, the known method and **modem** provide a data element allocation to compensate for equivalent noise and to maximize the overall data transmission rate. The known method and **modem** however treat all data elements in an identical way. In communication networks transporting data elements...

21/3,K/7   (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00443846
FIBER OPTIC LINK NOISE MEASUREMENT AND OPTIMIZATION SYSTEM.
GERAUSCHMESSUNG FUR EINE FASEROPTISCHE VERBINDUNG UND OPTIMIERUNGSSYSTEM.
MESURE DU BRUIT DANS UNE LIGNE DE FIBRE OPTIQUE ET SYSTEME D'OPTIMALISATION.
PATENT ASSIGNEE:
  HONEYWELL INC., (246051), Honeywell Plaza, Minneapolis MN 55408, (US), (applicant designated states: DE;FR;GB;IT)
INVENTOR:
  NELSON, Larry, A., 9705 Fostoria N.E., Albuquerque, NM 87111, (US)
  WOODS, James, W., 8237 Krim N.E., Albuquerque, NM 87109, (US)
LEGAL REPRESENTATIVE:
  Rentzsch, Heinz, Dipl.-Ing. et al (9532), Honeywell Holding AG Patent- und Lizenzabteilung Postfach 10 08 65, D-63008 Offenbach, (DE)
PATENT (CC, No, Kind, Date): EP 445232 A1 910911 (Basic)
                              EP 445232 B1 941214
                              WO 9006640 900614
APPLICATION (CC, No, Date):   EP 90901281 891121; WO 89US5376 891121
PRIORITY (CC, No, Date): US 275935 881125
DESIGNATED STATES: DE; FR; GB; IT
INTERNATIONAL PATENT CLASS: H04B-010/12;
NOTE:
  No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	722
CLAIMS B	(German)	EPBBF1	591
CLAIMS B	(French)	EPBBF1	824
SPEC B	(English)	EPBBF1	5586
Total word count - document A			0
Total word count - document B			7723
Total word count - documents A + B			7723

...SPECIFICATION fed to controller 30.
    The controller uses the information on the amount of received noise
power by comparing it to a selected value at which the system is
designed to be...

...noise which is received allows for optimization of either signal quality
(lower noise transmission) or **power** dissipation in the emitting device
(which corresponds to reliability and life). Consider, for example, a
system which uses this transmission media for the transmission of
digital data as for example is done with a modem over the switched
telephone network. The...

...in the transmission channel to transmit with a particular bit error rate
(BER). Increasing transmitted **power** beyond what is required to obtain
this BER produces a generally useless improvement in BER...

...already represents essentially perfect transmission. In this instance,
the controller would probably decrease the transmitted **power** until it
was just sufficient to maintain the transmission noise characteristics
required. In another application...

...a lower noise image. In this case, the improvement which may be obtained
from higher **power** transmission is noticeable but produces diminishing
returns beyond a certain signal to noise. The controller...

...condition so as to obtain better signal quality, but with improved LED
lifetime and reduced **power** dissipation. Because the output optical
power of LED devices is expotentially related to input current, there is
substantial opportunity for improvement with small decreases in the
amount of optical **power** **required** . Because all fiber optic systems
are designed to have some **power** margin, this **power** reduction
capability should be commonly available.
    The controller 30 may be any type of intelligent...

21/3,K/8   (Item 3 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00240120
Wideband switching system.
Breitbandvermittlungssystem.
Systeme de commutation a large bande.
PATENT ASSIGNEE:
  AT&T Corp., (589370), 32 Avenue of the Americas, New York, NY 10013-2412,
    (US), (applicant designated states: DE;FR;GB)
INVENTOR:
  Farleigh, Scott Eugene, 1740 Mable Avenue, Denver Colorado 80229, (US)
  Helton, John Steven, 1291 Doric Drive, Lafayette Colorado 80026, (US)
  Larson, Allen Leonard, 11277 North Birch Drive, Thornton Colorado 80233,
    (US)
  Liu, Frank Chih-Sing, 11258 Quivas Loop, Westminster Colorado 80234, (US)
LEGAL REPRESENTATIVE:
  Blumbach Weser Bergen Kramer Zwirner Hoffmann Patentanwalte (100372),
    Sonnenberger Strasse 100, D-65193 Wiesbaden, (DE)
PATENT (CC, No, Kind, Date): EP 239908 A2 871007 (Basic)
                              EP 239908 A3 891129
                              EP 239908 B1 940223
APPLICATION (CC, No, Date):   EP 87104282 870324;
PRIORITY (CC, No, Date): US 846327 860331
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: H04M-011/06; H04Q-011/04; H04Q-003/52;
  H04N-007/13;
ABSTRACT WORD COUNT: 193

LANGUAGE (Publication,Procedural,Application): English; English; English

```
FULLTEXT AVAILABILITY:
Available Text    Language    Update     Word Count
       CLAIMS B   (English)   EPBBF1        432
       CLAIMS B   (German)    EPBBF1        357
       CLAIMS B   (French)    EPBBF1        540
       SPEC B     (English)   EPBBF1       4651
Total word count - document A                0
Total word count - document B             5980
Total word count - documents A + B        5980
```

...SPECIFICATION from computers S3 and TV1 as well as local area network S5
   are already in **digital** form.
   Wideband Switching Adjunct
      To illustrate the operation of this system assume that a subscriber...

...For example, tape player Sm can be connected to monitor TV2 by wideband
   switching network **120** activating the crosspoints **required** to connect
   the signal output by modem SMm on optical fiber SFm to the input...

Set	Items	Description
S1	4381	ANALOG()MODEM?
S2	982339	TRANSMIT? OR TRANSM? OR SEND?
S3	2069568	POWER OR ENERGY
S4	11172	(VOLTAGE? OR VOLT)(10N)(LEVEL? OR OUTPUT? OR OUTFLOW? OR S-ETTING?)
S5	1857247	MEASUR? OR ASSESS OR EVALUAT? OR DETECT? OR SENSING
S6	4342005	ADJUST? OR REVISED OR CHANG? OR MODIF? OR EDIT? OR ALTER?
S7	2750978	LEVEL? OR AMOUNT? OR ALLOCATION
S8	50657	S7(3N)(DESIRED OR THRESHOLD OR PREFERRED OR REQUIRED)
S9	1679	DIGITAL()MODEM?
S10	356	EQUIVALEN?(3N)CLASSES
S11	131	S5(S)S6(S)S8(S)(S3 OR S4)
S12	42	S1(S)S2(S)S6
S13	229	S1(S)S9
S14	0	S11(S)S1
S15	3	S11(S)MODEM? ?
S16	0	S12(S)S3
S17	14	S13(S)S3
S18	1	S17(S)S6
S19	13	S17 NOT S18
S20	14	MODEM? ?(S)S3(S)S8
S21	11	S20 NOT (S15 OR S18 OR S19)
S22	10	RD S21 (unique items)

15/3,K/1   (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

04190876   Supplier Number: 54812842   (USE FORMAT 7 FOR FULLTEXT)
CALENDAR.
Tech Europe, pNA
June 3, 1999
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 5175

   (USE FORMAT 7 FOR FULLTEXT)
TEXT:
 Evaluating the "indecs"An **evaluation** conference on the European
Commissions "indecs" project will be held in London on July 7...for a
restructuring rather than declaring bankruptcy. "This extension allows us
to make the important **changes** in our marketing and distribution strategy,
which will help us drive sales," Iridium's new...s ASAM (ADSL Subscriber
Access Multiplexer) central office system, the SPEED TOUCHTM range of ADSL
modems as well as DANA, its Broadband Remote Access Node equipment, which
is typically managed by...

...service surrounding our platinum product portfolio." Alcatel launched
its new SPEED TOUCHTM family of ADSL **modems**   - the most comprehensive and
fully-featured range of next-generation **modems** available - at CeBIT 99.
The portfolio, comprising the SPEED TOUCHTM Home, SPEED TOUCHTM Pro, SPEED
...

...and SPEED TOUCHTM Office, offers data rates up to 200 times faster than
a traditional modem ; 8 Mbps downstream to a computer and 1 Mps upstream
from the computer is possible range of Alcatel ADSL **modems** . An active
contributor to the various standards bodies creating ADSL standards,
Alcatel continues to work...market capitalisation, and intend to do so in
short order", Chief Executive George Simpson said.**Adjusted** for a heavy
year of acquisitions and disposals, the company said in its new form...

...IDC, aims to collect more than 34 percent of IDC's shares, just above
the **level**   **required** for veto **power** over major management decisions,
from some

15/3,K/2   (Item 2 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

04134029   Supplier Number: 54264986   (USE FORMAT 7 FOR FULLTEXT)
NOTEBOOK.
Television Digest, v39, n13, pNA
March 29, 1999
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 1709

   (USE FORMAT 7 FOR FULLTEXT)

02480614 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Low-Power Connections
**(Mapletree Networks introduced the 2100 Series Digital Modem Card, a
universal port PCI adapter card)**
Information Week, p 194
June 07, 1999
DOCUMENT TYPE: Journal ISSN: 8750-6874   (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 93

 (USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
Mapletree Networks' 2100 Series **Digital   Modem** Card is a highly
scalable, low-**power** , universal port PCI adapter card for IP telephony and
network-access applications. It can handle 12 to 120 simultaneous
voice-over-IP, fax-over-IP, **analog   modem** , and ISDN calls for up to five
T1 or four E1 lines on one card...

...be dedicated to a specific function, eliminating the need to reconfigure
when the traffic mix **changes** . Price: $35 to $60 per port.
Mapletree: 781-461-4405;

www.mapletreenetworks.com

June 07...

19/3,K/1   (Item 1 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

01509631   Supplier Number: 47243654   (USE FORMAT 7 FOR FULLTEXT)
**Access Beyond Begins Shipping New Modular Design Remote Access Server The
 Ab2400**
PR Newswire, p0326NYW094
March 26, 1997
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 715

...   communications and link modules have been designed for the AB2400;
16 async ports module, 8 **analog   modems** module, 12, 24 and 30 **digital
modems** modules, 6 port ISDN BRI module, Ethernet module and even **power**
supplies can be user installed.
      "Costly obsolescence is a thing of the past with the...

19/3,K/2   (Item 2 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

01455575   Supplier Number: 46902816   (USE FORMAT 7 FOR FULLTEXT)
Hayes Comes On Strong With Complete Family of Remote Access Server Products
PR Newswire, p1118ATM035
Nov 18, 1996
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 850

...   in any chassis. Access device modules will be available in the
following types: v.34 **analog   modems , digital   modems** , T1, E1, ISDN
BRI, ISDN PRI, Frame Relay, and Asynchronous serial. The Century 9200
chassis supports 6 modules and the CENTURY 9400 supports 8 modules and has
capacity for dual **power** supplies. The CENTURY 9800 supports 12 modules,
dual **power** supplies and is targeted for high density, corporate or ISP
sites.
      "We've set the...

19/3,K/3   (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

04132422   Supplier Number: 54242659   (USE FORMAT 7 FOR FULLTEXT)
**ADSL: Efficient Networks Introduces First Consumer Installable ADSL Modem.
 Universal Serial Bus (USB) Modem Provides Users with Plug and Play
 Solution for High Speed Internet Access and Remote LAN
 Connectivity.(Product Announcement)**
EDGE, on & about AT&T, pNA
March 29, 1999
Language: English   Record Type: Fulltext
Article Type: Product Announcement
Document Type: Newsletter; Trade
Word Count: 736

   (USE FORMAT 7 FOR FULLTEXT)
TEXT:
...at rates up to 8 megabits per second downstream -- nearly 150 times
faster than 56Kbps **analog   modems** -- using standard copper telephone
lines. "The SpeedStream 4060 effectively raises the bar in terms of...

...said Greg Langdon, vice president of marketing for Efficient Networks.
"Users can simply plug their **digital   modem** into a USB port on their PC
or laptop, connect the phone line, install the...

...Windows, making next generation digital high-speed modems as simple to use as today's **analog   modems** . About the size of a paperback book and housed in a sleek black casing, the...

...4060 USB DSL modem has a suggested retail price of $299 and is available today. **Power** of Partnership Today Alcatel holds over 40 percent of the world market, making it the...

   19/3,K/4   (Item 2 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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03970526   Supplier Number: 53005471   (USE FORMAT 7 FOR FULLTEXT)
Cisco Develops New Connectivity Options For 3600 And 2600 Series Routers.
Communications Today, pNA
August 31, 1998
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 285

...   Cisco 2600 can support up to two PRI and 10 BRI connections per chassis.
      The **analog   modem** modules are priced from $400 per port and are immediately available. The mixed-media modules...

...450 and $6,450, and provide a sub-$500 per port price for V.90 **digital modems** . (Sharon **Power** , Cisco Systems, 512/249-3142, http://www.cisco.com.)

   19/3,K/5   (Item 3 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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03963361   Supplier Number: 50344111   (USE FORMAT 7 FOR FULLTEXT)
BRIEFS
ISDN News, v9, n36, pN/A
Sept 8, 1998
Language: English   Record Type: Fulltext
Article Type: Article
Document Type: Newsletter; Trade
Word Count: 335

...   Cisco 2600 can support up to two PRI and 10 BRI connections per chassis.
      The **analog   modem** modules are priced from $400 per port. The mixed-media modules for the Cisco 3600...

...450 and $6,450, and provide a sub-$500 per port price for V.90 **digital modems** . (Sharon **Power** , Cisco Systems, 512/249-3142.)
      ZyXEL Launches Two New Routers For Small Offices.
      ZyXEL Communications...

   19/3,K/6   (Item 4 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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03960103   Supplier Number: 50334663   (USE FORMAT 7 FOR FULLTEXT)
Cisco Develops New Connectivity Options For 3600 And 2600 Series Routers
Communications Today, p5
August 31, 1998
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 233

... support dial services, Internet access, virtual private networks,
and data, voice and video integration.
     The **analog   modem** modules are priced from $400 per port and are
immediately available. The mixed-media modules...

...450 and $6,450, and provide a sub-$500 per port price for V.90 **digital
 modems** . (Sharon **Power** , Cisco Systems, 512/249-3142,
http://www.cisco.com.)

19/3,K/7   (Item 5 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

02374478   Supplier Number: 44677720 (USE FORMAT 7 FOR FULLTEXT)
NTT Develops Ultrafast Modem Chips for Digital Wireless Communications
New Era Japan, n208, pN/A
May 15, 1994
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 222

     (USE FORMAT 7 FOR FULLTEXT)
TEXT:
...signals at a speed of 60 Mbps, or 4.6 times faster than existing all -
digital   modem equipment. They are also only one - third the size of high
-speed **analog   modems** now in general use and consume only one - tenth as
much **power** . These chips are expected to contribute to the design of
smaller, more reliable wireless equipment...

...reliable modem devices for these systems as well.NTT has succeeded in
creating three all **digital   modem** LSIs. The modulator and demodulator
LSIs are fabricated with the CMOS process and the signal...

...the new modulator and demodulator LSIs provide a dramatic improvement in
transmission speed over existing **digital   modem** LSls. The latter usually
operate at 13 Mbps or at 400 kbps forburst operation. (No...

19/3,K/8   (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2001 Bell & Howell. All rts. reserv.

01209272 98-58667
How to buy a modem
Anonymous
Agency Sales Magazine v26n5 PP: 33-34 May 1996
ISSN: 0162-3656 JRNL CODE: AGE
WORD COUNT: 961

...TEXT: the minute. Remember, when it comes to modems, nobody ever
complains of too much speed.

* **Digital   Modems** . If you really plan to be a **power** user, you might
look into the new **digital   modems** . Also known as terminal adapters,
 digital   modems require special "ISDN" (integrated services digital
network) telephone lines, available from the regional Bell companies...

... receive data at more than 60 kbps -more than twice as fast as the
fastest **analog   modems** .

* You'll want fax capability. Most of today's modems send both data
communications and...

19/3,K/9   (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01128610 97-78004
The Internet gets media hype but the Intranet gets corporate attention
Trowbridge, Dave
Computer Technology Review v15n10 PP: 1, 6+ Oct 1995
ISSN: 0278-9647 JRNL CODE: CTN
WORD COUNT: 1371

...TEXT: complete end-to-end system for wide area remote connectivity."
Among these were the Impact **digital   modem** , with Multilink PPP and an
optional built-in V.32 **analog   modem** . The Impact series incorporates
dynamic bandwidth allocation, allowing simultaneous use of both ISDN
channels for...

... fax machine. Other products shown were the Arpeggio series of ISDN
bridge/routers for connecting **power** users and remote office LANs to the
corporate LAN, capable of both IP and IPX...

19/3,K/10   **(Item 1 from file: 553)**
DIALOG(R)File 553:Wilson Bus. Abs. FullText

03562349   H.W. WILSON RECORD NUMBER: BWBA97062349   (USE FORMAT 7 FOR
FULLTEXT)
How to buy a modem.
Vernon, Stan
The CPA Journal (CPA J) v. 67 (July '97) p. 74
LANGUAGE: English
WORD COUNT: 877

   (USE FORMAT 7 FOR FULLTEXT)

TEXT:
...   by the minute. When it comes to modems, nobody even complains of
too much speed.
     * **Power** users may want to look into the new **digital   modems** .
Also known as terminal adapters, **digital   modems** require special "ISDN"
(integrated services digital network) telephone lines, available from the
regional Bell companies...

...receive data at more than 60 kbps--more than twice as fast as the
fastest **analog   modems** .
     * Most of today's modems send both data communications and faxes with
equal ease. The...

19/3,K/11   **(Item 1 from file: 813)**
DIALOG(R)File 813:PR Newswire

1074158   NYW094
**Access Beyond Begins Shipping New Modular Design Remote Access Server The
   Ab2400**

DATE: March 26, 1997   16:32 EST   WORD COUNT: 700

... communications and link modules have been designed for the AB2400; 16
async ports module, 8 **analog   modems** module, 12, 24 and 30 **digital
modems**   modules, 6 port ISDN BRI module, Ethernet module and even **power**
supplies can be user installed.

   "Costly obsolescence is a thing of the past with the...

19/3,K/12   **(Item 2 from file: 813)**

1023948   ATM035
Hayes Comes On Strong With Complete Family of Remote Access Server Products

DATE: November 18, 1996   17:58 EST   WORD COUNT: 808

...in any chassis. Access device modules
will be available in the following types: v.34 **analog   modems , digital
  modems ,**
Tl, El, ISDN BRI, ISDN PRI, Frame Relay, and Asynchronous serial. The
Century
9200 chassis supports 6 modules and the CENTURY 9400 supports 8 modules and
has capacity for dual **power** supplies. The CENTURY 9800 supports 12
modules,
dual **power** supplies and is targeted for high density, corporate or ISP
sites.

        "We've set the...

  19/3,K/13   (Item 3 from file: 813)

1018385   ATW014
Hayes Comes on Strong With Complete Family of Remote Access Server Products

DATE: November 6, 1996   13:12 EST   WORD COUNT: 818

...in any chassis. Access device modules
will be available in the following types: v.34 **analog   modems , digital
  modems ,**
Tl, El, ISDN BRI, ISDN PRI, Frame Relay, and Asynchronous serial. The
Century
9200 chassis supports 6 modules and the CENTURY 9400 supports 8 modules and
has capacity for dual **power** supplies. The CENTURY 9800 supports 12
modules,
dual **power** supplies and is targeted for high density, corporate or ISP
sites.

        "We've set the...
?

22/3,K/1   (Item 1 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2001 The Gale Group. All rts. reserv.

01639942   Supplier Number: 48435296   (USE FORMAT 7 FOR FULLTEXT)
**Analog Semiconductors from Texas Instruments Make High-Performance DSPs
Easier to Use**
PR Newswire, p0420DAM002
April 20, 1998
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 477

...   are powerful real-time processors that today drive advanced
electronics like cellular phones, high-speed **modems** and high-performance
disk drives. Analog technology is needed in every DSP application to
perform...

...variety of functions including converting sound and light into digital
0s and 1s, managing the **power** supply to the DSP and amplifying signals to
desired   levels .
    The analog semiconductors TI introduced today are chips that control
the electrical current that fuels...

22/3,K/2   (Item 2 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2001 The Gale Group. All rts. reserv.

01421732   Supplier Number: 46676835   (USE FORMAT 7 FOR FULLTEXT)
Collins SATCOM Provides Secure Military Airborne Communications
News Release, pN/A
Sept 2, 1996
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 473

   (USE FORMAT 7 FOR FULLTEXT)
TEXT:
...STU-III Secure Telephone Unit digitizes the voice, encrypts the data and
sends it as **modem** tones over the connection, providing absolute privacy
between air and ground. In secure data or...

...manner. Several types of STU-III units are available, depending on the
application and the **level** of security **required** . More than 500 Collins
SATCOM units are currently in operation worldwide. Beyond SATCOM's
communication...

...maintain ATC contact. Collins SATCOM consists of three units: the
satellite data unit, a high **power** amplifier, and a radio frequency unit.
Modular design of the system allows operators to customize...

22/3,K/3   (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

04083375   Supplier Number: 53680692   (USE FORMAT 7 FOR FULLTEXT)
**Notebook Security: IBM Unveils Industry's First Notebook PCs With Radio
Frequency-based Security.(ThinkPad 770Z and 600E notebook PCs)(Product
Announcement)**
EDGE: Work-Group Computing Report, pNA
Feb 1, 1999
Language: English   Record Type: Fulltext
Article Type: Product Announcement
Document Type: Newsletter; Trade

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...developers, the ThinkPad 770Z and 600E models also deliver advanced
Windows NT Workstation functionality, including **power** management and Hot
Plug PC Card support. The ThinkPad 770Z models are designed for users...

...computer. Expanding its reputation as the benchmark for high-end
notebook computers, the 770Zs provide **power** users with stellar
performance, multimedia, connectivity and configuration flexibility. The
new systems feature large 14...
...and include a DVD drive, 8MB of video RAM and an integrated v.90 56K
modem . The 770Zs also facilitate advanced communications with telephony
support for speaker phone and answering machine...

...of standard memory (expandable to 288MB), 4GB-6GB hard drives and
integrated V.90 56K **modems** . For enhanced productivity, the new models
support multiple monitors, so users can work on two...of the new ThinkPads
facilitates channel assembly and customization, while simplifying repairs
by reducing the **amount** of time **required** to diagnose, remove and replace
defective components by 35 percent. These efficiencies have enabled IBM...

22/3,K/4   (Item 2 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

03919450   Supplier Number: 50148774   (USE FORMAT 7 FOR FULLTEXT)
-CRTC: Telecom Decision CRTC 98-9 (Part 2 of 2)
M2 Presswire, pN/A
July 10, 1998
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 3878

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...introduced into the market for cable services. Further, incumbent cable
companies do not have market **power** in terms of advertising vehicles and,
in the Commission's view, consumers are generally aware...

...fibre networks, as well as Shaw's relationships with its customers are
sources of market **power** . The question of whether Shaw derives an undue
advantage from its relationship with its existing...

...out below, to ensure that appropriate provisions regarding confidential
information apply and to retain the **power** to impose conditions on the
offering and provision of these services as may be necessary...access ISPs
in various ways, including through the use of switched voice grade
services, cable **modems** , asymmetrical digital subscriber line (ADSL)
services and dedicated access services. For example, most residential IS...

...data access using a voice grade line (currently, up to 56 Kbps
capability) and various **modem** technologies. Integrated services digital
network (ISDN) services provide capacity in 64 Kbps increments, and each...

...Decision CRTC 96-14, 23 December 1996). Further, the Commission has
forborne from exercising its **power** to approve tariffs with respect to
most other services offered by non-dominant carriers (Telecom...

...speed access services. 69. There are various higher speed access service
options (for example, cable **modem** and ADSL services) which are still
evolving, and are only now becoming more widely available...

...requested that the Commission forbear unconditionally from regulating
its services, given its lack of market **power** . Access to Underlying

Telecommunications Facilities and Forbearance from Cable Carrier Retail
Level IS 71. The...

...contrary to subsection 27(2) of the Act. 72. The Commission notes that
currently cable-**modem** based retail ...rural areas in the short term.
With respect to the issue of access to facilities **required** to offer
retail **level** ISs at lower speeds, the Commission notes that lower speed
access service availability is currently...

...carriers. The Commission considers that incumbent telephone companies
and incumbent cable companies have substantial market **power** with respect
to higher speed access services, and that this market is not yet
sufficiently...

...development of retail level telecommunications services. The Commission
finds that to forbear from exercising its **power** to approve tariffs with
respect to higher speed access services offered by a broadcast carrier...

22/3,K/5   (Item 3 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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03268511   Supplier Number: 46708169 (USE FORMAT 7 FOR FULLTEXT)
56,000 BPS Modem Technology, Not As Good As You Might Think 09/13/96
Newsbytes, pN/A
Sept 13, 1996
Language: English   Record Type: Fulltext
Document Type: Newswire; General Trade
Word Count: 443

...   that the maximum transmission speed is around 56,000 bps.
Furthermore, because of the high **power** **levels** **required** to achieve
this transmission speed, the back channel will only operate at standard
(analog) **modem** speeds," he told Newsbytes.
    Pechey told Newsbytes that this back channel will support data
transfers...

22/3,K/6   (Item 4 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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02397760   Supplier Number: 44743051 (USE FORMAT 7 FOR FULLTEXT)
IBM's HAS HOT NEW MWAVE SIGNAL PROCESSOR THAT RUNS COOL
Computergram International, n2430, pN/A
June 7, 1994
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 254

    (USE FORMAT 7 FOR FULLTEXT)
TEXT:
...chip is claimed to provide improved quality sound for personal computers
and to reduce the **amount** of space **required** for a signal processor
subsystem on a motherboard or add-in board. The new processor has a 16-bit
CPU rated at 33 MIPS and includes **power** management features that ensure
that the system will operate at the lowest possible **power** levels. The
MDSP2780 supports Windows Sound Systems 2.0 applications, and will support
the Microsoft Corp Resource Manager Interface when it comes out. It also
provides high-speed facsimile **modem** capabilities including support for
the new 28.8Kbps V.34 **modem** standard, scheduled to be ratified later this
year. It uses an integrated AT bus master...

22/3,K/7   (Item 1 from file: 9)
DIALOG(R)File   9:Business & Industry(R)

01596773 (USE FORMAT 7 OR 9 FOR FULLTEXT)
56,000 BPS Modem Technology, Not As Good As You Might Think
(The 56,000 bps modem technology not as flexible as a standard V.34 analog
modem)
Newsbytes News Network, p N/A
September 13, 1996
DOCUMENT TYPE: Journal (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 426

 (USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...that the maximum transmission speed is around 56,000 bps. Furthermore,
because of the high **power   levels   required** to achieve this
transmission speed, the back channel will only operate at standard (analog)
 modem speeds," he told Newsbytes.

Pechey told Newsbytes that this back channel will support data transfers...

 22/3,K/8   (Item 2 from file: 9)
DIALOG(R)File   9:Business & Industry(R)

01057890 (USE FORMAT 7 OR 9 FOR FULLTEXT)
SystemSoft Software Diagnoses PCMCIA Woes
(SystemSoft offers 3 new software tools to make using PCMCIA cards easier)
Newsbytes News Network, p N/A
October 03, 1994
DOCUMENT TYPE: Journal (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 921

ABSTRACT:
...at SystemSoft. CardPower comes with a Windows-based interface that lets
the user set the **desired   levels** of **power** conservation for lengthening
battery life, and its **power** management options include: "save and
restore" for PCMCIA **modems** ; local standby for **modems** and AT Attachment
drives; and automatic shutdown of inactive PCMCIA cards. CardLite is an
add-on to CardSoft designed to support PCMCIA **modem** and ATA cards in the
"lowest memory footprint possible," and revolves around 2 components:
CardLite Basic, which supports **modem** cards in 9 to 15 KB of memory; and
CardLite Enhanced, which supports **modem** and ATA cards in 15KB to 25KB.
Full text discusses new products in more detail.
...

 22/3,K/9   (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00710564 93-59785
Opening the channels of ISDN
Earley, John
Telecommunications v27n3 (Americas Edition) PP: 44-45 Mar 1993
ISSN: 0278-4831 JRNL CODE: TEC
WORD COUNT: 1676

...TEXT: the same speed at both ends of the link, V.110 will fail. To the
 modem   enthusiast this is clearly a weakness as it removes much of the
flexibility inherent with asynchronous communications. Another drawback to
this complex approach to rate adaption is the sheer **amount** of processing
 power   required to run it.

Given these shortcomings, it is surprising that so many European terminal
adaptors...

22/3,K/10   (Item 2 from file: 15)
DIALOG(R)File   15:ABI/Inform(R)

00584757 91-59104
Technical Advances in Mobile Data Communications
Turner, Steven
Telecommunications (International Edition) v25n11 PP: 39-46 Nov 1991
JRNL CODE: TIE
WORD COUNT: 2409

...TEXT: to cell site as the mobile telephone travels, the cellular
telephone service provider maintains the **required power level** to
sustain the call. During hand-off, "dead times" of a half-second or more...

... unnoticed in voice calls, they represent carrier drops to data signals
and can cause the **modem** to "hang up". Cellular **modems** must anticipate
this problem and compensate for it by hysteresis effects to "hold over" the
...
?

```
File    2:INSPEC 1969-2001/Mar W1
        (c) 2001 Institution of Electrical Engineers
File    6:NTIS 1964-2001/Mar W4
        Comp&distr  2000 NTIS, Intl Cpyrght All Right
File    8:Ei Compendex(R) 1970-2001/Feb W3
        (c) 2001 Engineering Info. Inc.
File   34:SciSearch(R) Cited Ref Sci 1990-2001/Mar W1
        (c) 2001 Inst for Sci Info
File   35:Dissertation Abstracts Online 1861-2001/Feb
        (c) 2001 UMI
File   65:Inside Conferences 1993-2001/Feb W4
        (c) 2001 BLDSC all rts. reserv.
File   77:Conference Papers Index 1973-2001/Mar
        (c) 2001 Cambridge Sci Abs
File   94:JICST-EPlus 1985-2001/Feb W3
        (c)2001 Japan Science and Tech Corp(JST)
File   99:Wilson Appl. Sci & Tech Abs 1983-2001/Jan
        (c) 2001 The HW Wilson Co.
File  144:Pascal 1973-2001/Mar W1
        (c) 2001 INIST/CNRS
File  238:Abs. in New Tech & Eng. 1981-2001/Feb
        (c) 2001 Reed-Elsevier (UK) Ltd.
File  434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
        (c) 1998 Inst for Sci Info
File  583:Gale Group Globalbase(TM) 1986-2001/Mar 09
        (c) 2001 The Gale Group
```

Set	Items	Description
S1	118	ANALOG()MODEM?
S2	1618348	TRANSMIT? OR TRANSM? OR SEND?
S3	5281743	POWER OR ENERGY
S4	60041	(VOLTAGE? OR VOLT)(10N)(LEVEL? OR OUTPUT? OR OUTFLOW? OR S-ETTING?)
S5	10192859	MEASUR? OR ASSESS OR EVALUAT? OR DETECT? OR SENSING
S6	6672918	ADJUST? OR REVISED OR CHANG? OR MODIF? OR EDIT? OR ALTER?
S7	4159384	LEVEL? OR AMOUNT? OR ALLOCATION
S8	51152	S7(3N)(DESIRED OR THRESHOLD OR PREFERRED OR REQUIRED)
S9	572	DIGITAL()MODEM?
S10	6219	EQUIVALEN?(3N)CLASSES
S11	863	S5 AND S6 AND S8 AND (S3 OR S4)
S12	0	S11 AND S1
S13	2	S11 AND MODEM? ?
S14	3	S1 AND S2 AND S6
S15	3	S14 NOT S13
S16	6	S1 AND S9
S17	6	S16 NOT (S14 OR S13)
S18	6	RD S17 (unique items)

13/3,K/1   (Item 1 from file: 2)

6289231   INSPEC Abstract Number: B1999-08-8150-028, C1999-08-3340H-083
 Title: A system for remote meter reading and load management
  Author(s): Erakovic, I.; Rakic, D.; Lapcevic, V.; Marjanovic, S.;
Djonovic, M.
  Author Affiliation: Fac. of Electr. Eng., Belgrade Univ., Serbia
  Conference Title: Ninth International Conference on Metering and Tariffs
for Energy Supply (Conf. Publ No.462)   p.196-9
  Publisher: IEE, London, UK
  Publication Date: 1999 Country of Publication: UK   viii+278 pp.
  Material Identity Number: XX-1999-01472
  Conference Title: Ninth International Conference on Metering and Tariffs
for Energy Supply (Conf. Publ. No.462)
  Conference Date: 25-28 May 1999   Conference Location: Birmingham, UK
  Language: English
  Subfile: B C
  Copyright 1999, IEE

  Abstract: The systems for remote meter reading and load management which
have been, for **evaluation** purposes, installed in New Belgrade and Pancevo
are described in this paper. Two way communication link between the center
and all the meters is established via **power** distribution lines by means
of a modulated high frequency signal subjected to an additional direct...

... improved signal to noise ratio is achieved which stretches the
propagation distance at a low **level** injected signal amplitude **required**
by CENELEC standards. The whole city area is supposed to be divided into
numerous zones...

... meters and affects transmission upon request, but also performs basic
data processing such as current **power** engagement, aggregate **power**
 recording, tariffs management, etc. By regular data gathering from **modems**
an   intelligent   tariff management with daily as well as seasonal
adjustment can be implemented. On the bases of the **energy** and **power**
flow monitoring, possible losses can be investigated, and better insight
into the loading, as a...
  Descriptors: carrier transmission on **power** lines...

...**power** distribution lines...

...**power** system **measurement** ;
 ...Identifiers: **power** distribution lines...

...current **power** engagement...

...aggregate **power** recording...

...**power** flow monitoring...

...**energy** monitoring

13/3,K/2   (Item 1 from file: 35)

01695864   ORDER NO: AAD99-23561
**ON THE IMPLEMENTATION OF ITERATIVE DECODING SCHEMES (RECURSIVE SYSTEMATIC
CONVOLUTIONAL CODE, MAXIMAL A POSTERIORI, CODE COMBINING, PACKET COMBINING)**
  Author: YI, BYUNG KWAN
  Degree: D.SC.
  Year: 1999
  Corporate Source/Institution: THE GEORGE WASHINGTON UNIVERSITY (0075)
  Source: VOLUME 60/03-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

...at a very low signal to noise ratio, it still poses some potential difficulties in **modem** implementation. The major issue is synchronization, since a Turbo decoder may be operating below the receiver's synchronization **threshold** **level** . We explore two proposed synchronization approaches—Attached Synch Mark (ASM) and **Modified** Coded Synch Mark (MCSM) and compare their performances in terms of frame synch **detection** probabilities and the average acquisition time.

We propose a novel Code Combining and Packet Combining...

...on the “hard” handoffs only. It also provides without expanding bandwidth and increasing **power** an unprecedented coding game from the Turbo code and its associated iterative decoding.

We investigate...

?

15/3,K/1   (Item 1 from file: 2)
DIALOG(R)File   2:INSPEC

5962535   INSPEC Abstract Number: B9808-6210L-106, C9808-5620-026
 Title: The technology of computer networks now and in the future
 Author(s): de Backer, C.; van Eyken, A.
 Journal: Informatie   vol.39, spec. issue.   p.16-25
 Publisher: Kluwer Bedrijfswetenschappen,
 Publication Date: July-Aug. 1997 Country of Publication: Netherlands
 CODEN: INFTCR   ISSN: 0019-9907
 SICI: 0019-9907(199707/08)39L.16:TCNF;1-D
 Material Identity Number: I229-98005
 Language: Dutch
 Subfile: B C
 Copyright 1998, IEE

  ...Abstract: and wide area networks (WANs) are considered and their
implications for devising a strategy for **change** from old technology to
new   infrastructures   are   discussed regarding cables, the types of
 transmission   media available and factors affecting choice, network
topology and cabling plan are considered. Developments in...

... in detail include Ethernet-segments, Fast Ethernet, Ethernet Switching
and FDDI. In WANs, developments include **analog**   **modems** , ISDN, X25 and
Frame Relay-ATM.
  ...Identifiers: **transmission** media...

...**analog**   **modems** ;

15/3,K/2   (Item 1 from file: 6)
DIALOG(R)File   6:NTIS

1797342 NTIS Accession Number: N94-22805/3
 **Asynchronous Timing and Doppler Recovery in DSP Based DPSK Modems for
Fixed and Mobile Satellite Applications**
 Koblents, B. ; Belanger, M. ; Woods, D. ; Mclane, P. J.
 Queens Univ., Kingston (Ontario). Dept. of Electrical Engineering.
 Corp. Source Codes: 888888888; Q4705867
 Sponsor: National Aeronautics and Space Administration, Washington, DC.
 1993   6p
 Languages: English
 Journal Announcement: GRAI9412; STAR3206
 In JPL, Proceedings of the Third International Mobile Satellite
Conference (Imsc 1993) p 405-410. Sponsored by Telecommunications Research
Inst. Of Ontario and Natural Sciences and Engineering Research Council.
 NTIS Prices: (Order as N94-22735/2, PC A25/MF A06)

  While conventional **analog**   **modems**   employ some kind of clock wave
regenerator circuit for synchronous timing recovery, in sampled modem
receivers the timing is recovered asynchronously to the incoming data
stream, with no **adjustment**   being made to the input sampling rate. All
timing corrections are accomplished by digital operations...
... channel, where Doppler shifts and multipath fading degrade the
pi/4-DQPSK signal. Two simple **modifications** to Gardner's zero crossing
tracker enable it to remain useful in the presence of...
  ...Descriptors: Random noise; *Satellite communication; *Signal fading;
*Signal processing; *Synchronism; Algorithms; Bandwidth; Doppler effect;
Errors; Multipath **transmission** ; Receivers; Sampled data systems

15/3,K/3   (Item 1 from file: 94)
DIALOG(R)File   94:JICST-EPlus

01438470   JICST ACCESSION NUMBER: 92A0082228   FILE SEGMENT: JICST-E
Development of Full Color Facsimile.
TANAKA SEIICHI (1); TAKEHARA TOSHIO (1); AO MITSUHIRO (1); NAGANO FUMIKAZU
    (1)
(1) Sharp Corp.
Shapu Giho(Sharp Technical Journal), 1991, NO.51, PAGE.59-62, FIG.6, TBL.1,
    REF.2
JOURNAL NUMBER: G0524AAD   ISSN NO: 0285-0362   CODEN: STEJD
UNIVERSAL DECIMAL CLASSIFICATION: 621.394
LANGUAGE: Japanese   COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Commentary
MEDIA TYPE: Printed Publication

ABSTRACT: A full color facsimile has been newly developed by employing a
    high-speed **analog** **modem** , 14400BPS and the color compression
    techniques. AVQ(Adaptive Vector Quantization techniques with less
    deterioration developed...

...Color Scanner Printer CX-5000. The features of the facsimiles. a are
    high-speed electrical **transmission** of A4 size full color image in
    approx. 3 minutes, and the worlds first desk top size for the
    transmission /reception united type. The reprodued picture quality has
    greatly improved approaching that of photograph. (author...
...BROADER DESCRIPTORS: correction(**modification**);

18/3,K/1   (Item 1 from file: 2)

5622575   INSPEC Abstract Number: B9708-6210H-002, C9708-7410F-039
 Title: **A digital signal processor yields enhanced data/FAX pump**
 Author(s): Chame, A.
 Author Affiliation: Motorola Inc., Sunnyvale, CA, USA
 Conference Title: 1997 IEEE Aerospace Conference. Proceedings (Cat.
No.97CH36020)   Part vol.4   p.115-28 vol.4
 Publisher: IEEE, New York, NY, USA
 Publication Date: 1997 Country of Publication: USA   4 vol.
(xxiv+405+567+637+515) pp.
 ISBN: 0 7803 3741 7   Material Identity Number: XX97-00519
 U.S. Copyright Clearance Center Code: 0 7803 3741 7/97/$5.00
 Conference Title: 1997 IEEE Aerospace Conference
 Conference Sponsor: IEEE Aerosp. & Electron. Syst. Soc
 Conference Date: 1-8 Feb. 1997   Conference Location: Snowmass at Aspen,
CO, USA
 Language: English
 Subfile: B C
 Copyright 1997, IEE

    ...Abstract: hands-free speakerphone, and a facsimile machine amongst
others. Further, users can implement a direct **digital modem** (DDM)
efficiently connecting an Integrated Services Digital Networks Services
(ISDN) terminal adapter (TA) either to a far-end ISDN TA, or an **analog
modem** which normally requires significant and complex circuitry.
Similarly, the implementation of a "modem pool" is...

18/3,K/2   (Item 2 from file: 2)

01915502   INSPEC Abstract Number: B82047897, C82034793
 Title: **A high-speed modem using microprocessor-implemented DSP**
 Author(s): Price, M.W.
 Author Affiliation: Halcyon Communications Inc., Atlanta, GA, USA
 Conference Title: Conference Proceedings of IEEE SOUTHEASTCON '82   p.
231-4
 Publisher: IEEE, New York, NY, USA
 Publication Date: 1982 Country of Publication: USA   581 pp.
 Conference Date: 4-7 April 1982   Conference Location: Destin, FL, USA
 Language: English
 Subfile: B C

    Abstract: **Analog modems** have typically cost $1/bit/sec for the 2400
to 9600 bps (bit per sec...

...reductions, however, depend on the state-of-the-art in analog modulation
and demodulation. A ' **digital** ' **modem** , however, does not have this
restriction. The '**digital** ' **modem** described is aimed at competing with
analog modems in this price-speed range.
    ...Identifiers: **digital** ' **modems** ;

18/3,K/3   (Item 1 from file: 8)

04356025   E.I. No: EIP96033067882
 Title: **Jumping on the ISDN bandwagon**
 Author: Thomas, Steve
 Corporate Source: Ascend Communications, Alameda, CA, USA
 Source: Computer Technology Review n Suppl Fall-Winter 1995. 4pp
 Publication Year: 1995

Identifiers: Plain old telephone system; Digital switching equipment;
Primary rate interface; **Digital   modems ; Analog   modems**

18/3,K/4   (Item 1 from file: 35)
DIALOG(R)File 35:Dissertation Abstracts Online
(c) 2001 UMI. All rts. reserv.

01574508 ORDER NO: AADMM-17820
**MEASURED PERFORMANCE OF A DSP IMPLEMENTATION OF DOPPLER PHASOR RECOVERY FOR
DQPSK OVER MOBILE SATELLITE CHANNELS**
  Author: BELANGER, MICHEL D.
  Degree: M.SC.
  Year: 1997
  Corporate Source/Institution: QUEEN'S UNIVERSITY AT KINGSTON (CANADA) (
        0283)
  Source: VOLUME 35/05 of MASTERS ABSTRACTS.
        PAGE 1476. 147 PAGES
  ISBN: 0-612-17820-X

     The recent trend towards **digital   modems** over conventional **analog
 modems** has made the digital signal processor (DSP) a very useful tool.
The focus of this thesis is the implementation of a **digital   modem** on a
pair of digital signal processing development boards and to test the
implementation for...

18/3,K/5   (Item 2 from file: 35)
DIALOG(R)File 35:Dissertation Abstracts Online
(c) 2001 UMI. All rts. reserv.

01317005 ORDER NO: AADMM-76541
ASYNCHRONOUS TIMING RECOVERY IN M-PSK DATA MODEMS
  Author: KOBLENTS, BENO
  Degree: M.SC.
  Year: 1992
  Corporate Source/Institution: QUEEN'S UNIVERSITY AT KINGSTON (CANADA) (
        0283)
  Source: VOLUME 31/04 of MASTERS ABSTRACTS.
        PAGE 1884. 150 PAGES
  ISBN: 0-315-76541-0

     ...shift keyed (DPSK) modems for digital voice rate communications
over the satellite channel. While conventional **analog   modems** employ
some kind of clock wave regenerator circuit for synchronous timing
recovery, in sampled modem...

...by Gardner, which requires only two samples per symbol. It is
experimentally demonstrated herein, that **digital   modem** systems
employing Gardner's zero crossing tracker can achieve BER performance very
close to theoretical...

18/3,K/6   (Item 1 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)
(c) 2001 The Gale Group. All rts. reserv.

09421512
NetComm pins profit hopes on DSL
  AUSTRALIA: NETCOMM TO INTRODUCE **DIGITAL   MODEMS**
The Australian (XAA)   28 Nov 2000 IT p.44
Language: ENGLISH

  AUSTRALIA: NETCOMM TO INTRODUCE **DIGITAL   MODEMS**

... in the domestic market before 25 December 2000. NetComm will move its focus away from **analog modems** to DSL modems as the former has proven to be relatively unprofitable. Prices of NetComm's **analog modems** have plummeted by as much as AU$ 250 to just AU$ 150 per unit. This...
?

14/3,K/1   (Item 1 from file: 233)

00612411   00EB10-004
   Telecommunications   alternatives **in accessing image intensive digital
libraries**
   Kibirige, Harry M
   Electronic Library, The , October 1, 2000 , v18 n5 p347-353, 7 Page(s)
   ISSN: 0264-0473

   Telecommunications   alternatives **in accessing image intensive digital
libraries**
   Focuses   on   telecommunications   **alternatives**   for   accessing
image-intensive digital libraries. Mentions three major elements that
interplay to determine the final rate at which multimedia in the digital
library is effectively **transmitted** to the end-user: effective national
telecommunications network, institutional distribution network, and access
terminal. Presents a table comparing **analog   modems** , integrated services
digital   network   (ISDN),   cable modems, digital subscriber line (DSL),
satellite, and frame-relay...

... in deployment, monthly cost, incoming data transfer rates, and outgoing
data   transfer   rates. Expl these **alternatives** are commercially available
to the user depending on the user's physical location and how...

14/3,K/2   (Item 2 from file: 233)

00483138   98PM01-024
   **DSL vs. the world -- Believe it: connect to the Net 250 times faster
over analog phone lines!**
   Robinson, Phillip
   PC/Computing , January 1, 1998 , v11 n1 p263-268, 5 Page(s)
   ISSN: 0899-1847

   Article examines technologies available for **transmitting** data over the
Internet. Currently, the most widely used is 56 Kbps modems, which, due...

... Satellite, which uses a minidish, can pull data at 400 Kbps but users
must still **send**   the data thorough a traditional **analog   modem** at 56
Kbps or 33.6 Kbps. The only two viable plans for increasing bandwidth...

... of nine Mbps and uses frequencies that are unused on standard telephone
lines. Examines these **alternatives** and concludes that ADSL will begin to
dominate the business world by mid-1998. Lists...

14/3,K/3   (Item 3 from file: 233)

00480989   97IE12-002
   **Want speed? Go digital -- Why thrash around when ISDN is simple and
reliable?**
   Snyder, Joel
   Internet World , December 1, 1997 , v8 n12 p34-36, 2 Page(s)
   ISSN: 1081-3071

   BOTTOM LINE column discusses the realities of fast modem speeds, and
suggests some **alternatives** . Reports the results of a survey which reveals
that the ``best'' connections over 56Kbps modems...

... Suggests that Integrated Services Digital Network (ISDN) is a better

speed option than the fastest **analog** **modems** . Explains that it features
all the calling options of a standard analog telephone line, as...
   Descriptors: Telecommunications; Data **Transmission** ; ISDN; Data
Communication; ADSL

   14/3,K/4   **(Item 4 from file: 233)**
DIALOG(R)File 233:Internet & Personal Comp. Abs.
(c) 2001 Info. Today Inc. All rts. reserv.

00378030   95PQ03-003
  WaveRunner
   Garris, John
   PC Magazine-Network Edition , March 14, 1995 , v14 n5 pNE10, NE12, 2
Page(s)
   ISSN: 0888-8507
   Company Name: IBM Corp.
   Product Name: WaveRunner

   ... handles serial PC communications. In testing, it communicated well
with another WaveRunner but connections to **analog** **modems** used the MNP 5
compression protocol rather than the more efficient V.42bis compression
scheme...

... is bundled with DataFAX Lite from Trio Information Systems, a fax
program suitable for basic **sending** and receiving. The modem is an ``
Editors ' Choice.'' Includes two photos. (djd)

   14/3,K/5   **(Item 1 from file: 256)**
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00121224   DOCUMENT TYPE: Review

PRODUCT NAMES: Homeline Starter Kit PowerMac (784699)

TITLE: HomeLine Starter Kit
AUTHOR: Rizzo, John
SOURCE: MacAddict,   v4 n12 p84(1) Dec 1999
ISSN: 1088-548X
HOMEPAGE: http://www.imaginemedia.com

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: A

REVISION DATE: 20001130

...range used by Homeline Starter Kit is different from that of standard
voice and data **transmissions** . Cards use the HomePNA networking standard,
which supports the majority of AppleTalk and TCP/IP...

...which makes PCs compatible with AppleTalk networks, and SurfDoubler, for
sharing an Internet connection via **analog** **modem** , cable modem, Digital
Subscriber Line (DSL), or ISDN.

DESCRIPTORS: LAN **Alternatives** ; PowerMac; Home Automation; Data
      Communications; Apple Macintosh; IBM PC & Compatibles; MacOS

   14/3,K/6   **(Item 2 from file: 256)**
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00117884   DOCUMENT TYPE: Review

...and ISDN routers. Access choices include 56K dial-up, ISDN, ADSL, cable, and satellite. These **alternatives** are compared for downstream speed, upstream speed, IP address type, setup/equipment, monthly charges, advantages...
...slow compared to newer connectivity methods. ADSL is available in many price and speed of **transmission** choices, but is not yet widely available. Cable is low-priced, and requires no phone...

...Software NATs offer the least expensive and easiest way to share any Internet connection, including **analog** , **modem** , ISDN, xDSL, cable modem, satellite, and others. One of the best is SyGate, which

15/3,K/1   (Item 1 from file: 233)

00468770   97WW08-223
  **56K server supports U.S. Robotics and Lucent -- Modems built into Model
8000 from Bay Networks**
    Semich, J William
    WebWeek , August 18, 1997 , v3 n26 p25, 1 Page(s)
    ISSN: 1081-3071
    Company Name: Bay Networks
    Product Name: Bay Model 8000 Remote Access Concentrator

    ... server. Adds that it supports both the x2 and the K56flex
technologies and comes with **digital   modems** built in. Also says that it
automatically configures itself to accept incoming calls from **analog
modems** , digital/hybrid modems, or ISDN modems. Includes one photo. (dpm)

15/3,K/2   (Item 2 from file: 233)

00423784   96PW05-004
  IBM WaveRunner
    Ross, Randy
    PC World , May 1, 1996 , v14 n5 p50-51, 2 Page(s)
    ISSN: 0737-8939
    Company Name: IBM Corp.
    Product Name: IBM WaveRunner

    ...the IBM WaveRunner ($511 for ISA card model, $558 for PC Card model),
an internal **digital   modem** from IBM Corp. (800). Says internal modems
have the advantage of being less expensive than external ones, and for
digital   modems they can be faster since external modems are limited by
the 155 Kpbs speed of...

...150), and it doesn't work with Windows 95. The model can work as a
digital   modem or emulate a 14.4 Kbps **analog   modem** . (djd)

15/3,K/3   (Item 3 from file: 233)

00399972   95PM10-020
  Ultrafast digital modems
    Hogan, Mike
    PC/Computing , October 1, 1995 , v8 n10 p205-210, 5 Page(s)
    ISSN: 0899-1847
    Company Name: ZyXEL
    Product Name: ZyXEL Elite 2846I-U

  Ultrafast digital modems
    Presents reviews of five **digital   modems** (ISDN adapters). Three of
these were terminal adapters and two were bridge/routers for use...

... speeds of 500 Kbps. An illustration compares the performance of ISDN
modems with that of **analog   modems** . An included article by Ann Culver
(p208), an ISDN expert provides guidelines for preparing for...

15/3,K/4   (Item 4 from file: 233)

00399960   95PQ10-211
  IBM's WaveRunner shows promise
  Freed, Les
  PC Magazine-Network Edition , October 24, 1995 , v14 n18 pNE45, 1
Page(s)
  ISSN: 0888-8507
  Company Name: IBM Corp.
  Product Name: WaveRunner **Digital   Modem** , Model 73G1393

  Product Name: WaveRunner **Digital   Modem** , Model 73G1393
  Presents a mixed review of the WaveRunner **Digital   Modem** , Model
73G1393 ($545), a combination ISDN terminal adapter and **analog -modem**
emulator from IBM Corp., Research Triangle Park, NC (800). The device
supports ISDN basic-rate...
  Identifiers: WaveRunner **Digital   Modem** , Model 73G1393; IBM Corp.

  15/3,K/5   **(Item 5 from file: 233)**
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00385587   95LK05-020
  Motorola introduces BitSURFR Digital Modem
  LINK-UP , May 1, 1995 , v12 n3 p34, 1 Page(s)
  ISSN: 0739-988X
  Company Name: Motorola
  Product Name: BitSURFR TA210 **Digital   Modem**

  Motorola introduces BitSURFR Digital Modem
  Product Name: BitSURFR TA210 **Digital   Modem**
  Announces that Motorola (800) has released the BitSURFR TA 210 **Digital**
  Modem ($495) which enables transmission speeds utilizing digital
telephone lines. Says the BitSURFR uses Integrated Services...

...that transmits voice and data at 64kps, more than twice the speed of the
fastest **analog   modem** . Notes that it is easy to install and configure,
and it compatible with Windows, DOS...
  Identifiers: BitSURFR TA210 **Digital   Modem ;** Motorola

  15/3,K/6   **(Item 6 from file: 233)**
DIALOG(R)File 233:Internet & Personal Comp. Abs.
(c) 2001 Info. Today Inc. All rts. reserv.

00378625   95PK03-109
  First PCMCIA-based adapter connects notebooks to ISDN -- IBM's
WaveRunner provides strong performance, variety of connectivity options
  Tam, Terry
  PC WEEK , March 13, 1995 , v12 n10 p69-72, 2 Page(s)
  ISSN: 0740-1604
  Company Name: IBM Corp.
  Product Name: PCMCIA WaveRunner ISDN or **Analog   Modem**

  Product Name: PCMCIA WaveRunner ISDN or **Analog   Modem**
  Presents a very favorable review of the PCMCIA WaveRunner ISDN or
Analog Modem ($595), a **digital   modem** from IBM Corp. (800). Explains
that this modem enables notebook users to have both ISDN digital and
analog   modem connectivity while on the road. Features include a
full-function ISDN terminal adapter, and a 14.4Kbps **analog   modem** in a
PCMCIA form factor. Notes that the adapter can bond two IDSN B channels...
  Identifiers: PCMCIA WaveRunner ISDN or **Analog   Modem ;** IBM Corp.

21/3,K/1   (Item 1 from file: 233)

00537638   99IE06-311
  Weighing options for speedy remote access to intranets
   Singh, Pritpal
   Internet World , June 28, 1999 , v5 n24 p16, 1 Page(s)
   ISSN: 1081-3071

     ...is 56 Kbps, and this speed is not always achievable. Mentions that an
Integrated Services **Digital** Network (ISDN) line is a popular **alternative**
, and it works by delivering two simultaneous connections over a single
line. Indicates that ISDN digitally **transmits** data while regular phone
lines yield **analog** **transmission** . Explains that a third **alternative** is
a cable **modem** , which enables users to experience speeds ranging from 500
Kbps up to 1.5 Mbps or more depending on traffic load and network
architecture. Describes **Digital** Subscriber Line (DSL) technology as the
fourth **alternative** . Explains that it works by using **digital** coding
techniques to attain greater capacity out of a regular telephone line.
(MEM)
    Descriptors: Remote Computing; Intranets; Telecommuting; Telephone;
 ISDN; **Modem** ; DSL

21/3,K/2   (Item 2 from file: 233)

00474686   97PI10-019
  ThinkPad 770
   Venezia, Carol
   PC Magazine , October 7, 1997 , v16 n17 p48-49, 2 Page(s)
   ISSN: 0888-8507
   Company Name: IBM PC
   URL: http://www.pc.ibm.com
   Product Name: IBM ThinkPad 770

     ... SDRAM, 512K L2 cache, 5.1GB hard disk, 20X DVD drive, 33.6 Kbps
integrated **modem** , 14.1-inch TFT SGA display, Dolby **digital** audio-out
support, and stereo speakers. The system includes an UltraBay that can
accommodate the...

... Adapter and a video-in port, which can capture still or motion video
from an **analog** source. In testing, its scores were competitive and it
posted the best score of the...

... enough words listed on this page to describe the IBM ThinkPad 770.'' It
is an ` **Editors** ' Choice.'' Includes two photos. (djd)
    Descriptors: Lap-sized Microcomputer; Pentium; MMX; Mobile Computing;
 Benchmark Testing; **Power** Supply

21/3,K/3   (Item 3 from file: 233)

00474679   97PI10-012
  Up close & personal
   Kistner, Toni F
   PC Magazine , October 7, 1997 , v16 n17 p42, 1 Page(s)
   ISSN: 0888-8507
   Company Name: Best Data Products; Philips Electronics; Winnov
   URL: http://www.bestdata.com http://www.pps.philips.com http://www.win
nov.com
   Product Name: Best Data PCV100; Philips EasyCam; Philips EasyConnect;
 Winnov Videum

...818) includes a 32-bit PCI video capture card, video camera, and 33.6 Kbps **modem** . It is bundled with Ulead's Video Studio and VDOPhone. This kit can capture still and video images and **transmit** them over the Net via e-mail, while additional software allows it to work over **analog** phone lines. EasyCam ($500) and EasyConnect ($300) from Philips Electronics (800) include video capture boards and are bundled with Enhanced CU-SeeMe, **Digital** Video Producer, for video **editing** , and a capture utility. The kits also include a color camera. Videum from Winnov (408...
 Descriptors: Videoconferencing; Kit; Internet; Local Area Networks; Video Processing; Data **Transmission** ; Bundled Software

21/3,K/4   (Item 4 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.

00459086   97PW05-014
 Bigpicture: good idea, bad support policy
 Capen, Tracey
 PC World , May 1, 1997 , v15 n5 p82, 1 Page(s)
 ISSN: 0737-8939
 Company Name: U.S. Robotics
 Product Name: U.S. Robotics Bigpicture Video Kit

 ... videoconferencing package from U.S. Robotics (800). The kit includes an internal 33.6 Kbps **modem** , a small video camera that sits on the monitor, a video capture card, and image **editing** and **modem** software (including Asymetrix's **Digital** Video Producer for **editing** and Kai's **Power** Goo for morphing). The package requires a minimum of a 75MHz Pentium system at either end of the conference and since it uses **analog** video image quality tends to be choppy. The system is complex to set up. Users...

21/3,K/5   (Item 5 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.

00448156   97PK01-117
 IDSL may boost bandwidth -- Ascend's new 128K-bps specification uses a separate, data-only ISDN network to carry digital **traffic over networks**
 Surkan, Michael
 PC WEEK , January 13, 1997 , v14 n2 p82, 1 Page(s)
 ISSN: 0740-1604
 Company Name: Ascend Communications
 Product Name: IDSL

 ... **Ascend's new 128K-bps specification uses a separate, data-only ISDN network to carry** digital **traffic over networks**
 ... without the congestion experienced in the voice networks. Notes that it runs on existing ISDN **modems** and equipment. However, complains that the service has only limited availability and that, although it is faster than **analog** connections, it is slower than other solutions. Concludes that other **alternatives** are in development that will attempt to address the problem of slow data connections. Includes...
 Descriptors: Data **Transmission** ; ADSL; ISDN; Speed; **Analog /** **Digital** Circuit

21/3,K/6   (Item 6 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.

00433111   96NC08-006
 SOHO ISDN -- ISDN terminal adapters, routers and bridges to extend your enterprise

Newman, Jeff
Network Computing , August 15, 1996 , v7 n12 p82-95, 10 Page(s)
ISSN: 1046-4468
Company Name: 3Com; Trancell Systems
Product Name: 3Com Impact; Trancell Systems WebRamp 1X8R

    ...terminal adapters and bridges and routers. Features a table comparing
the price, multilink PPP, voice/ **analog** ports, included fax/**modem** ,
dynamic **analog** / **digital** channel allocation, Windows configuration
utilities, remote configuration, WAN interface, PC interface, and
compression of nine products from nine companies. Given **Editor** 's Choice
awards are the Impact ($749) external terminal adapter from 3Com Corp.
(800, 408...
    Descriptors: ISDN;   Vendor Guide;   Network Interface Cards;   Router;
 Bridge; Data **Transmission** ; Network Management

    21/3,K/7   (Item 7 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00382287   95CR04-129
  Two phone lines: the next dinosaur?
  Dunlap, Charlotte
  Computer Reseller News , April 10, 1995 , n625 p49-51, 2 Page(s)
  ISSN: 0893-8377
  Company Name: AT&T Paradyne; US Robotics; Hayes Microcomputer Products
 ; Creative Labs; Motorola

    ... conferencing services. Says that this is possible by either adapting
advanced ISDN lines or two **analog** lines. Adds that while
videoconferencing is becoming more popular in the personal conferencing
arena, value...

... are giving data conferencing technology higher priority in terms of
development. Cites four companies integrating **digital** simultaneous voice
and data (DSVD) technology into **modems** and chip sets: AT&T Paradyne
Corp.; U.S. Robotics Inc.; Hayes Microcomputer Products Inc...

... the International Telecommunications Union (ITU). Notes that Motorola
Inc.'s Information Systems Group is developing **Power** Class **modems** to
integrate **alternative** data conferencing products. Includes a chart. (ACD)
    Descriptors: Telecommunications; Teleconferencing; Product Development
 ; Cost Estimation; **Digital** Signal Processing; Trends

    21/3,K/8   (Item 8 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00315403   93PV06-014
  Dispatching documents from the desktop with fax/ modems
  Meers, Trevor
  PC Novice , June 1, 1993 , v4 n6 p68-73, 4 Page(s)
  ISSN: 1052-1186
  Company Name: Hayes Microcomputer Products; Intel Corp.
  Product Name: OPTIMA96+FAX96; OPTIMA144; SatisFAXtion 100;
 SatisFAXtion 200; SatisFAXtion 400

  Dispatching documents from the desktop with fax/ modems
    Discusses fax/ **modems** which allow PCs to receive fax messages over
regular phone lines. Describes how a **modem** works, **changing digital**
 computer information signals into **analog** phone line signals and visa
versa. Also how a fax works by a scanning light and dark images on a page
and turning the images into digits than can be **transmitted** . Reviews
internal and external fax/ **modems** ; notes advantages over traditional
faxing: privacy and clarity, and the ability to save time; **edit** the

images and use regular paper. Discusses the pros and cons of fax/OCR software packages for turning received faxes into **editable** text. Recognizes problems of fax/**modems** tying up computer's processor and says separate processor can be added to system for...
   Descriptors: Facsimile;   **Modem** ;   Hardware   Evaluation; Telecommunications

   21/3,K/9   (Item 9 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.

00243081   91PI06-109
   Hayes Pocket Edition **2400**
   Barr, Christopher
   PC Magazine , June 25, 1991 , v10 n12 p49, 1 Pages
   ISSN: 0888-8507
   Company Name: Hayes Microcomputer Products
   Product Name: Pocket **Edition** 2400

   Hayes Pocket Edition **2400**
   Product Name: Pocket **Edition** 2400
   Presents a favorable review of the Pocket **Edition** 2400 ($179), a 2400-bps pocket **modem** from Hayes Microcomputer Products Inc., Atlanta, GA (404). The **modem** requires an RS-232 serial port and an RJ-11 jack. It requires no batteries, drawing **power** from the serial port to execute AT commands and getting **power** for all other functions from the phone jack. It is very small and light, but is a bare-bones **modem** , lacking a speaker, data compression, error control, or indicator lights. It is bundled with SmartcomEZ...

... choice for providing convenient access to e-mail for users who always call on conventional **analog** phone lines (some **digital** lines do not supply enough **power** to run the **modem**). Includes one photo. (djd)
   Descriptors: **Modem** ; Hardware Review
   Identifiers: Pocket **Edition** 2400; Hayes Microcomputer Products

   21/3,K/10   (Item 10 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.

00238025   91CO04-010
   Modems **make easy Master the mysteries of** modem **speeds**
   Banks, Michael A
   COMPUTE! , April 1, 1991 , v13 n4 p40-44, 4 Pages
   ISSN: 0194-357X

   Modems **make easy Master the mysteries of** modem **speeds**
   Explains **modem**   **transmission** speed. Says that bits per second is a measure of the number of data bits **transmitted** each second in a communications channel, while baud rate is a measure of the number of times per second a signal in a communications channel varies, or **changes** states. Says a more effective way of thinking about text data transfer is characters per second, the number of characters **transmitted** by the **modem** in one second. Contains a side-bar article called ''**Analog** vs. **digital** signals.'' Contains one graph. (vl)
   Descriptors: **Modem** ; Data Communication; Data **Transmission** ; Tutorial

   21/3,K/11   (Item 11 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.

00147088   87PK07-307
   Digital – transmission **services provide higher quality, speed: Phone**

companies offer alternative to analog lines
   Hindin, Eric
   PC Week , Jul 28 1987 , v4 n30 pC/1+, 3 Pages
   ISSN: 0740-1604

      Digital - transmission services provide higher quality, speed: Phone
companies offer alternative to analog lines
      Notes most phone companies will lease lines to carry digital
 transmission . States these services are available from both local and
long disance companies. Says digital transmission is faster and higher
quality than analog ; in some applications it might be cheaper. Discusses
equipment that will transmit voice over digital lines, allowing
companies to use fewer lines. Sidebar compares analog to digital
leased line costs for three routes. Includes one illustration of
Racal-Vadic digital transmission device.
      Descriptors: DATA TRANSMISSION ; MODEM

 21/3,K/12   (Item 1 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00092061   DOCUMENT TYPE: Review

PRODUCT NAMES: Company - Microsoft Corp (850195)

TITLE: Microsoft unleashes CTI strategy
AUTHOR: Wolfe, Alexander
SOURCE: Electronic Engineering Times,   v891 p1(2) Mar 4, 1996
ISSN: 0192-1541
HOMEPAGE: http://www.eet.com

RECORD TYPE: Review
REVIEW TYPE: Company

REVISION DATE: 20001230

...s computer-telephony integration strategy. To create PC-based PBXs,
Microsoft plans to bring voice-modem , Digital Simultaneous Voice and
Data (DSVD), and ISDN functions to Windows operating systems (OSs) in 1996.
The Unimodem V specification defines new Windows 95 communications drivers
supporting digitized voice data transmission . TAPI, already provided in
Windows 95, will be part of the new Windows NT release, but DSVD, a
specification that allows concurrent transmission of voice and data over
analog voice lines, is probably the most important and powerful new
technology to emerge. VoiceView uses 8KHz analog voice channels to
provide alternating voice and data transmission , to enable PCs to
operate as answering machines and telephones.

 21/3,K/13   (Item 2 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00079693   DOCUMENT TYPE: Review

PRODUCT NAMES: ShareVision PC3000 (389994)

TITLE: Sharevision PC3000: Face-to-Face Phone Conferencing
AUTHOR: Kennedy, Randall C
SOURCE: PC/Computing,   v8 n7 p105(1) Jul 1995
ISSN: 0899-1847

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: A

...recommended, economically priced videoconferencing system, runs on a 486 platform with Windows 3.1 to **transmit** video over standard **analog** telephone lines. Such **transmission** is much less expensive than the Integrated Services **Digital** Network (ISDN) lines required for some systems. Set up is not complex, and the product is based on a Video Blaster RT300 **editing** board, which manages up to three RCA and one S-Video input channels. The included **digital** camera provides good contrast in office environments, but motion video is only of average quality...

...or application in real-time; files are distributed via a custom file transfer program that **transmits** using an included 28.8Kbps V.Fast Class **modem** ; Delrina's WinFax Lite fax software is also bundled.

File 233:Internet & Personal Comp. Abs. 1981-2001/Mar
          (c) 2001 Info. Today Inc.
File 256:SoftBase:Reviews,Companies&Prods. 85-2001/Jan
          (c)2001 Info.Sources Inc
File 278:Microcomputer Software Guide 2001/Feb
          (c) 2001 Reed Elsevier Inc.

Set	Items	Description
S1	107	ANALOG()MODEM?
S2	15056	TRANSMIT? OR TRANSM? OR SEND?
S3	20821	POWER OR ENERGY
S4	54	(VOLTAGE? OR VOLT)(10N)(LEVEL? OR OUTPUT? OR OUTFLOW? OR S-ETTING?)
S5	21176	MEASUR? OR ASSESS OR EVALUAT? OR DETECT? OR SENSING
S6	67149	ADJUST? OR REVISED OR CHANG? OR MODIF? OR EDIT? OR ALTER?
S7	28857	LEVEL? OR AMOUNT? OR ALLOCATION
S8	368	S7(3N)(DESIRED OR THRESHOLD OR PREFERRED OR REQUIRED)
S9	48	DIGITAL()MODEM?
S10	4	EQUIVALEN?(3N)CLASSES
S11	0	S5 AND S6 AND S8 AND (S3 OR S4)
S12	6	S1 AND S2 AND S6
S13	6	S1 AND S9
S14	6	S12 NOT S13
S15	6	S13 NOT S12
S16	519	MODEM? ? AND (S2 OR S3) AND S6
S17	0	S16 AND ANLAOG AND DIGITAL
S18	17	S16 AND ANALOG AND DIGITAL
S19	17	RD S18 (unique items)
S20	13	S19 NOT (S12 OR S13)
S21	13	RD S20 (unique items)

14/3,K/1   (Item 1 from file: 233)

00612411   00EB10-004
   Telecommunications   alternatives **in accessing image intensive digital libraries**
   Kibirige, Harry M
   Electronic Library, The , October 1, 2000 , v18 n5 p347-353, 7 Page(s)
   ISSN: 0264-0473

   Telecommunications   alternatives **in accessing image intensive digital libraries**
   Focuses   on   telecommunications   **alternatives**   for   accessing
image-intensive digital libraries. Mentions three major elements that
interplay to determine the final rate at which multimedia in the digital
library is effectively **transmitted** to the end-user: effective national
telecommunications network, institutional distribution network, and access
terminal. Presents a table comparing **analog**   **modems** , integrated services
digital   network   (ISDN),   cable modems, digital subscriber line (DSL),
satellite, and frame-relay...

   ... in deployment, monthly cost, incoming data transfer rates, and outgoing
data   transfer   rates. Expl these **alternatives**   are commercially available
to the user depending on the user's physical location and how...

14/3,K/2   (Item 2 from file: 233)

00483138   98PM01-024
   DSL   vs.   the   world   -- Believe it: connect to the Net 250 times faster over analog phone lines!
   Robinson, Phillip
   PC/Computing , January 1, 1998 , v11 n1 p263-268, 5 Page(s)
   ISSN: 0899-1847

   Article examines technologies available for **transmitting** data over the
Internet.. Currently, the most widely used is 56 Kbps modems, which, due...

   ... Satellite, which uses a minidish, can pull data at 400 Kbps but users
must   still   **send**   the data thorough a traditional **analog**   **modem** at 56
Kbps or 33.6 Kbps. The only two viable plans for increasing bandwidth...

   ... of nine Mbps and uses frequencies that are unused on standard telephone
lines. Examines these **alternatives** and concludes that ADSL will begin to
dominate the business world by mid-1998. Lists...

14/3,K/3   (Item 3 from file: 233)

00480989   97IE12-002
   Want   speed? Go   digital   -- Why thrash around when ISDN is simple and reliable?
   Snyder, Joel
   Internet World , December 1, 1997 , v8 n12 p34-36, 2 Page(s)
   ISSN: 1081-3071

   BOTTOM LINE column discusses the realities of fast modem speeds, and
suggests some **alternatives** . Reports the results of a survey which reveals
that the ``best'' connections over 56Kbps modems...

   ... Suggests that Integrated Services Digital Network (ISDN) is a better
speed option than the fastest **analog**   **modems** . Explains that it features

all the calling options of a standard analog telephone line, as...
    Descriptors: Telecommunications;   Data **Transmission** ;   ISDN; Data
Communication; ADSL

  14/3,K/4   (Item 4 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00378030   95PQ03-003
  WaveRunner
    Garris, John
    PC Magazine-Network Edition , March 14, 1995 , v14 n5 pNE10, NE12, 2
Page(s)
    ISSN: 0888-8507
    Company Name: IBM Corp.
    Product Name: WaveRunner

    ... handles serial PC communications. In testing, it communicated well
with another WaveRunner but connections to **analog   modems** used the MNP 5
compression protocol rather than the more efficient V.42bis compression
scheme...

... is bundled with DataFAX Lite from Trio Information Systems, a fax
program suitable for basic **sending** and receiving. The modem is an ``
Editors ' Choice.'' Includes two photos. (djd)

  14/3,K/5   (Item 1 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00121224   DOCUMENT TYPE: Review

PRODUCT NAMES: Homeline Starter Kit PowerMac (784699)

TITLE: HomeLine Starter Kit
AUTHOR: Rizzo, John
SOURCE: MacAddict,   v4 n12 p84(1) Dec 1999
ISSN: 1088-548X
HOMEPAGE: http://www.imaginemedia.com

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: A

REVISION DATE: 20001130

...range used by Homeline Starter Kit is different from that of standard
voice and data **transmissions** . Cards use the HomePNA networking standard,
which supports the majority of AppleTalk and TCP/IP...

...which makes PCs compatible with AppleTalk networks, and SurfDoubler, for
sharing an Internet connection via **analog   modem** , cable modem, Digital
Subscriber Line (DSL), or ISDN.

DESCRIPTORS: LAN **Alternatives** ; PowerMac; Home Automation; Data
    Communications; Apple Macintosh; IBM PC & Compatibles; MacOS

  14/3,K/6   (Item 2 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00117884   DOCUMENT TYPE: Review

PRODUCT NAMES: Internet Access (840114)

...and ISDN routers. Access choices include 56K dial-up, ISDN, ADSL, cable, and satellite. These **alternatives** are compared for downstream speed, upstream speed, IP address type, setup/equipment, monthly charges, advantages...
...slow compared to newer connectivity methods. ADSL is available in many price and speed of **transmission** choices, but is not yet widely available. Cable is low-priced, and requires no phone...

...Software NATs offer the least expensive and easiest way to share any Internet connection, including **analog** , **modem** , ISDN, xDSL, cable modem, satellite, and others. One of the best is SyGate, which is...

15/3,K/1   (Item 1 from file: 233)

00468770   97WW08-223
56K server supports U.S. Robotics and Lucent -- Modems built into Model 8000 from Bay Networks
   Semich, J William
   WebWeek , August 18, 1997 , v3 n26 p25, 1 Page(s)
   ISSN: 1081-3071
   Company Name: Bay Networks
   Product Name: Bay Model 8000 Remote Access Concentrator

   ... server. Adds that it supports both the x2 and the K56flex technologies and comes with **digital modems** built in. Also says that it automatically configures itself to accept incoming calls from **analog modems** , digital/hybrid modems, or ISDN modems. Includes one photo. (dpm)

15/3,K/2   (Item 2 from file: 233)

00423784   96PW05-004
IBM WaveRunner
   Ross, Randy
   PC World , May 1, 1996 , v14 n5 p50-51, 2 Page(s)
   ISSN: 0737-8939
   Company Name: IBM Corp.
   Product Name: IBM WaveRunner

   ...the IBM WaveRunner ($511 for ISA card model, $558 for PC Card model), an internal **digital modem** from IBM Corp. (800). Says internal modems have the advantage of being less expensive than external ones, and for **digital modems** they can be faster since external modems are limited by the 155 Kpbs speed of...

...150), and it doesn't work with Windows 95. The model can work as a **digital modem** or emulate a 14.4 Kbps **analog modem** . (djd)

15/3,K/3   (Item 3 from file: 233)

00399972   95PM10-020
   Ultrafast digital modems
   Hogan, Mike
   PC/Computing , October 1, 1995 , v8 n10 p205-210, 5 Page(s)
   ISSN: 0899-1847
   Company Name: ZyXEL
   Product Name: ZyXEL Elite 2846I-U

   Ultrafast digital modems
   Presents reviews of five **digital modems** (ISDN adapters). Three of these were terminal adapters and two were bridge/routers for use...

... speeds of 500 Kbps. An illustration compares the performance of ISDN modems with that of **analog modems** . An included article by Ann Culver (p208), an ISDN expert provides guidelines for preparing for...

15/3,K/4   (Item 4 from file: 233)

00399960   95PQ10-211
  IBM's WaveRunner shows promise
  Freed, Les
  PC Magazine-Network Edition , October 24, 1995 , v14 n18 pNE45, 1
Page(s)
  ISSN: 0888-8507
  Company Name: IBM Corp.
  Product Name: WaveRunner **Digital   Modem** , Model 73G1393

  Product Name: WaveRunner **Digital   Modem** , Model 73G1393
  Presents a mixed review of the WaveRunner **Digital   Modem** , Model
73G1393 ($545), a combination ISDN terminal adapter and **analog** -modem
emulator from IBM Corp., Research Triangle Park, NC (800). The device
supports ISDN basic-rate...
  Identifiers: WaveRunner **Digital   Modem** , Model 73G1393; IBM Corp.

  15/3,K/5   (Item 5 from file: 233)
  DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00385587   95LK05-020
  Motorola introduces BitSURFR Digital Modem
  LINK-UP , May 1, 1995 , v12 n3 p34, 1 Page(s)
  ISSN: 0739-988X
  Company Name: Motorola
  Product Name: BitSURFR TA210 **Digital   Modem**

  Motorola introduces BitSURFR Digital Modem
  Product Name: BitSURFR TA210 **Digital   Modem**
  Announces that Motorola (800) has released the BitSURFR TA 210 **Digital
  Modem** ($495) which enables transmission speeds utilizing digital
telephone lines. Says the BitSURFR uses Integrated Services...

...that transmits voice and data at 64kps, more than twice the speed of the
fastest **analog   modem** . Notes that it is easy to install and configure,
and it compatible with Windows, DOS...
  Identifiers: BitSURFR TA210 **Digital   Modem ;** Motorola

  15/3,K/6   (Item 6 from file: 233)
  DIALOG(R)File 233:Internet & Personal Comp. Abs.
  (c) 2001 Info. Today Inc. All rts. reserv.

00378625   95PK03-109
  **First   PCMCIA-based   adapter connects notebooks to ISDN -- IBM's
WaveRunner provides strong performance, variety of connectivity options**
  Tam, Terry
  PC WEEK , March 13, 1995 , v12 n10 p69-72, 2 Page(s)
  ISSN: 0740-1604
  Company Name: IBM Corp.
  Product Name: PCMCIA WaveRunner ISDN or **Analog   Modem**

  Product Name: PCMCIA WaveRunner ISDN or **Analog   Modem**
  Presents a very favorable review of the PCMCIA WaveRunner ISDN or
Analog   Modem ($595), a **digital   modem** from IBM Corp. (800). Explains
that this modem enables notebook users to have both ISDN digital and
analog   modem connectivity while on the road. Features include a
full-function ISDN terminal adapter, and a 14.4Kbps **analog   modem** in a
PCMCIA form factor. Notes that the adapter can bond two IDSN B channels...
  Identifiers: PCMCIA WaveRunner ISDN or **Analog   Modem ;** IBM Corp.

21/3,K/1   (Item 1 from file: 233)

00537638   99IE06-311
  Weighing options for speedy remote access to intranets
    Singh, Pritpal
    Internet World , June 28, 1999 , v5 n24 p16, 1 Page(s)
    ISSN: 1081-3071

    ...is 56 Kbps, and this speed is not always achievable. Mentions that an
Integrated Services **Digital** Network (ISDN) line is a popular **alternative**
, and it works by delivering two simultaneous connections over a single
line. Indicates that ISDN digitally **transmits** data while regular phone
lines yield **analog transmission** . Explains that a third **alternative** is
a cable **modem** , which enables users to experience speeds ranging from 500
Kbps up to 1.5 Mbps or more depending on traffic load and network
architecture. Describes **Digital** Subscriber Line (DSL) technology as the
fourth **alternative** . Explains that it works by using **digital** coding
techniques to attain greater capacity out of a regular telephone line.
(MEM)
    Descriptors: Remote Computing; Intranets; Telecommuting; Telephone;
  ISDN; **Modem** ; DSL

21/3,K/2   (Item 2 from file: 233)

00474686   97PI10-019
  ThinkPad 770
    Venezia, Carol
    PC Magazine , October 7, 1997 , v16 n17 p48-49, 2 Page(s)
    ISSN: 0888-8507
    Company Name: IBM PC
    URL: http://www.pc.ibm.com
    Product Name: IBM ThinkPad 770

    ... SDRAM, 512K L2 cache, 5.1GB hard disk, 20X DVD drive, 33.6 Kbps
integrated **modem** , 14.1-inch TFT SGA display, Dolby **digital** audio-out
support, and stereo speakers. The system includes an UltraBay that can
accommodate the...

... Adapter and a video-in port, which can capture still or motion video
from an **analog** source. In testing, its scores were competitive and it
posted the best score of the...

... enough words listed on this page to describe the IBM ThinkPad 770.'' It
is an ` **Editors** ' Choice.'' Includes two photos. (djd)
    Descriptors: Lap-sized Microcomputer; Pentium; MMX; Mobile Computing;
  Benchmark Testing; **Power** Supply

21/3,K/3   (Item 3 from file: 233)

00474679   97PI10-012
  Up close & personal
    Kistner, Toni F
    PC Magazine , October 7, 1997 , v16 n17 p42, 1 Page(s)
    ISSN: 0888-8507
    Company Name: Best Data Products; Philips Electronics; Winnov
    URL: http://www.bestdata.com http://www.pps.philips.com http://www.win
nov.com
    Product Name: Best Data PCV100; Philips EasyCam; Philips EasyConnect;
  Winnov Videum

...818) includes a 32-bit PCI video capture card, video camera, and 33.6 Kbps **modem** . It is bundled with Ulead's Video Studio and VDOPhone. This kit can capture still and video images and **transmit** them over the Net via e-mail, while additional software allows it to work over **analog** phone lines. EasyCam ($500) and EasyConnect ($300) from Philips Electronics (800) include video capture boards and are bundled with Enhanced CU-SeeMe, **Digital** Video Producer, for video **editing** , and a capture utility. The kits also include a color camera. Videum from Winnov (408...

    Descriptors: Videoconferencing; Kit; Internet; Local Area Networks; Video Processing; Data **Transmission** ; Bundled Software

21/3,K/4   **(Item 4 from file: 233)**
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00459086   97PW05-014
  Bigpicture: good idea, bad support policy
  Capen, Tracey
  PC World , May 1, 1997 , v15 n5 p82, 1 Page(s)
  ISSN: 0737-8939
  Company Name: U.S. Robotics
  Product Name: U.S. Robotics Bigpicture Video Kit

    ... videoconferencing package from U.S. Robotics (800). The kit includes an internal 33.6 Kbps **modem** , a small video camera that sits on the monitor, a video capture card, and image **editing** and **modem** software (including Asymetrix's **Digital** Video Producer for **editing** and Kai's **Power** Goo for morphing). The package requires a minimum of a 75MHz Pentium system at either end of the conference and since it uses **analog** video image quality tends to be choppy. The system is complex to set up. Users...

21/3,K/5   ·**(Item 5 from file: 233)**
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00448156   97PK01-117
  IDSL may boost bandwidth -- Ascend's new 128K-bps specification uses a separate, data-only ISDN network to carry digital **traffic over networks**
  Surkan, Michael
  PC WEEK , January 13, 1997 , v14 n2 p82, 1 Page(s)
  ISSN: 0740-1604
  Company Name: Ascend Communications
  Product Name: IDSL

    ... **Ascend's new 128K-bps specification uses a separate, data-only ISDN network to carry** digital **traffic over networks**
    ... without the congestion experienced in the voice networks. Notes that it runs on existing ISDN **modems** and equipment. However, complains that the service has only limited availability and that, although it is faster than **analog** connections, it is slower than other solutions. Concludes that other **alternatives** are in development that will attempt to address the problem of slow data connections. Includes...
    Descriptors: Data **Transmission** ; ADSL; ISDN; Speed; **Analog /** **Digital** Circuit

21/3,K/6   **(Item 6 from file: 233)**
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00433111   96NC08-006
  SOHO ISDN -- ISDN terminal adapters, routers and bridges to extend your enterprise

Newman, Jeff
Network Computing , August 15, 1996 , v7 n12 p82-95, 10 Page(s)
ISSN: 1046-4468
Company Name: 3Com; Trancell Systems
Product Name: 3Com Impact; Trancell Systems WebRamp 1X8R

...terminal adapters and bridges and routers. Features a table comparing
the price, multilink PPP, voice/ **analog** ports, included fax/**modem** ,
dynamic **analog** / **digital** channel allocation, Windows configuration
utilities, remote configuration, WAN interface, PC interface, and
compression of nine products from nine companies. Given **Editor** 's Choice
awards are the Impact ($749) external terminal adapter from 3Com Corp.
(800, 408...
    Descriptors: ISDN; Vendor Guide; Network Interface Cards; Router;
Bridge; Data **Transmission** ; Network Management

21/3,K/7   (Item 7 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00382287   95CR04-129
  Two phone lines: the next dinosaur?
  Dunlap, Charlotte
  Computer Reseller News , April 10, 1995 , n625 p49-51, 2 Page(s)
  ISSN: 0893-8377
  Company Name: AT&T Paradyne; US Robotics; Hayes Microcomputer Products
; Creative Labs; Motorola

    ... conferencing services. Says that this is possible by either adapting
advanced ISDN lines or two **analog** lines. Adds that while
videoconferencing is becoming more popular in the personal conferencing
arena, value...

... are giving data conferencing technology higher priority in terms of
development. Cites four companies integrating **digital** simultaneous voice
and data (DSVD) technology into **modems** and chip sets: AT&T Paradyne
Corp.; U.S. Robotics Inc.; Hayes Microcomputer Products Inc...

... the International Telecommunications Union (ITU). Notes that Motorola
Inc.'s Information Systems Group is developing **Power** Class **modems** to
integrate **alternative** data conferencing products. Includes a chart. (ACD)
    Descriptors: Telecommunications; Teleconferencing; Product Development
; Cost Estimation; **Digital** Signal Processing; Trends

21/3,K/8   (Item 8 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00315403   93PV06-014
  Dispatching documents from the desktop with fax/ modems
  Meers, Trevor
  PC Novice , June 1, 1993 , v4 n6 p68-73, 4 Page(s)
  ISSN: 1052-1186
  Company Name: Hayes Microcomputer Products; Intel Corp.
    Product Name: OPTIMA96+FAX96; OPTIMA144; SatisFAXtion 100;
SatisFAXtion 200; SatisFAXtion 400

  Dispatching documents from the desktop with fax/ modems
    Discusses fax/ **modems** which allow PCs to receive fax messages over
regular phone lines. Describes how a **modem** works, **changing digital**
computer information signals into **analog** phone line signals and visa
versa. Also how a fax works by a scanning light and dark images on a page
and turning the images into digits than can be **transmitted** . Reviews
internal and external fax/ **modems** ; notes advantages over traditional
faxing: privacy and clarity, and the ability to save time; **edit** the

images and use regular paper. Discusses the pros and cons of fax/OCR
software packages for turning received faxes into **editable** text.
Recognizes problems of fax/**modems** tying up computer's processor and says
separate processor can be added to system for...
    Descriptors: Facsimile;   **Modem** ;   Hardware   Evaluation;
  Telecommunications

   21/3,K/9   (Item 9 from file: 233)
   DIALOG(R)File 233:Internet & Personal Comp. Abs.
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   00243081   91PI06-109
     Hayes Pocket Edition **2400**
     Barr, Christopher
     PC Magazine , June 25, 1991 , v10 n12 p49, 1 Pages
     ISSN: 0888-8507
     Company Name: Hayes Microcomputer Products
     Product Name: Pocket **Edition** 2400

     Hayes Pocket Edition **2400**
     Product Name: Pocket **Edition** 2400
     Presents a favorable review of the Pocket **Edition** 2400 ($179), a
   2400-bps pocket **modem** from Hayes Microcomputer Products Inc., Atlanta, GA
   (404). The **modem**   requires an RS-232 serial port and an RJ-11 jack. It
   requires no batteries, drawing **power** from the serial port to execute AT
   commands and getting **power** for all other functions from the phone jack.
   It is very small and light, but is a bare-bones **modem** , lacking a speaker,
   data compression, error control, or indicator lights. It is bundled with
   SmartcomEZ...

   ... choice for providing convenient access to e-mail for users who always
   call on conventional **analog** phone lines (some **digital** lines do not
   supply enough **power** to run the **modem**). Includes one photo. (djd)
       Descriptors: **Modem** ; Hardware Review
       Identifiers: Pocket **Edition** 2400; Hayes Microcomputer Products

   21/3,K/10   (Item 10 from file: 233)
   DIALOG(R)File 233:Internet & Personal Comp. Abs.
   (c) 2001 Info. Today Inc. All rts. reserv.

   00238025   91CO04-010
     Modems **make easy Master the mysteries of** modem **speeds**
     Banks, Michael A
     COMPUTE! , April 1, 1991 , v13 n4 p40-44, 4 Pages
     ISSN: 0194-357X

     Modems **make easy Master the mysteries of** modem **speeds**
     Explains **modem**   **transmission** speed. Says that bits per second is a
   measure of the number of data bits **transmitted** each second in a
   communications channel, while baud rate is a measure of the number of times
   per second a signal in a communications channel varies, or **changes**
   states. Says a more effective way of thinking about text data transfer is
   characters per second, the number of characters **transmitted** by the **modem**
    in one second. Contains a side-bar article called ''**Analog** vs. **digital**
    signals.'' Contains one graph. (vl)
       Descriptors: **Modem** ; Data Communication; Data **Transmission** ;
     Tutorial

   21/3,K/11   (Item 11 from file: 233)
   DIALOG(R)File 233:Internet & Personal Comp. Abs.
   (c) 2001 Info. Today Inc. All rts. reserv.

   00147088   87PK07-307
       Digital - transmission **services provide higher quality, speed: Phone**

companies offer alternative to analog lines
   Hindin, Eric
   PC Week , Jul 28 1987 , v4 n30 pC/1+, 3 Pages
   ISSN: 0740-1604

   Digital - transmission **services provide higher quality, speed: Phone
companies offer** alternative **to** analog **lines**
   Notes most phone companies will lease lines to carry **digital
transmission** . States these services are available from both local and
long disance companies. Says **digital transmission** is faster and higher
quality than **analog** ; in some applications it might be cheaper. Discusses
equipment that will **transmit** voice over **digital** lines, allowing
companies to use fewer lines. Sidebar compares **analog** to **digital**
leased line costs for three routes. Includes one illustration of
Racal-Vadic **digital transmission** device.
   Descriptors: DATA **TRANSMISSION** ; **MODEM**

  21/3,K/12   **(Item 1 from file: 256)**
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
(c)2001 Info.Sources Inc. All rts. reserv.

00092061   DOCUMENT TYPE: Review

PRODUCT NAMES: Company - Microsoft Corp (850195)

TITLE: Microsoft unleashes CTI strategy
AUTHOR: Wolfe, Alexander
SOURCE: Electronic Engineering Times,   v891 p1(2) Mar 4, 1996
ISSN: 0192-1541
HOMEPAGE: http://www.eet.com

RECORD TYPE: Review
REVIEW TYPE: Company

REVISION DATE: 20001230

...s computer-telephony integration strategy. To create PC-based PBXs,
Microsoft plans to bring voice-**modem** , **Digital** Simultaneous Voice and
Data (DSVD), and ISDN functions to Windows operating systems (OSs) in 1996.
The Unimodem V specification defines new Windows 95 communications drivers
supporting digitized voice data **transmission** . TAPI, already provided in
Windows 95, will be part of the new Windows NT release, but DSVD, a
specification that allows concurrent **transmission** of voice and data over
analog voice lines, is probably the most important and powerful new
technology to emerge. VoiceView uses 8KHz **analog** voice channels to
provide **alternating** voice and data **transmission** , to enable PCs to
operate as answering machines and telephones.

  21/3,K/13   **(Item 2 from file: 256)**
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
(c)2001 Info.Sources Inc. All rts. reserv.

00079693   DOCUMENT TYPE: Review

PRODUCT NAMES: ShareVision PC3000 (389994)

TITLE: Sharevision PC3000: Face-to-Face Phone Conferencing
AUTHOR: Kennedy, Randall C
SOURCE: PC/Computing,   v8 n7 p105(1) Jul 1995
ISSN: 0899-1847

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: A

...recommended, economically priced videoconferencing system, runs on a 486 platform with Windows 3.1 to **transmit** video over standard **analog** telephone lines. Such **transmission** is much less expensive than the Integrated Services **Digital** Network (ISDN) lines required for some systems. Set up is not complex, and the product is based on a Video Blaster RT300 **editing** board, which manages up to three RCA and one S-Video input channels. The included **digital** camera provides good contrast in office environments, but motion video is only of average quality...

...or application in real-time; files are distributed via a custom file transfer program that **transmits** using an included 28.8Kbps V.Fast Class **modem** ; Delrina's WinFax Lite fax software is also bundled.

```
File   16:Gale Group PROMT(R) 1990-2001/Mar 08
          (c) 2001 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
          (c) 1999 The Gale Group
File   47:Gale Group Magazine DB(TM) 1959-2001/Mar 08
          (c) 2001 The Gale group
File   80:TGG Aerospace/Def.Mkts(R) 1986-2001/Mar 08
          (c) 2001 The Gale Group
File 111:TGG Natl.Newspaper Index(SM) 1979-2001/Mar 06
          (c) 2001 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2001/Mar 08
          (c)2001 The Gale Group
File   88:Gale Group Business A.R.T.S. 1976-2001/Mar 09
          (c) 2001 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2001/Mar 08
          (c) 2001 The Gale Group
File 570:Gale Group MARS(R) 1984-2001/Mar 08
          (c) 2001 The Gale Group
```

Set	Items	Description
S1	7635	ANALOG()MODEM?
S2	1583340	TRANSMIT? OR TRANSM? OR SEND?
S3	3281536	POWER OR ENERGY
S4	24076	(VOLTAGE? OR VOLT)(10N)(LEVEL? OR OUTPUT? OR OUTFLOW? OR S-ETTING?)
S5	3402594	MEASUR? OR ASSESS OR EVALUAT? OR DETECT? OR SENSING
S6	6915017	ADJUST? OR REVISED OR CHANG? OR MODIF? OR EDIT? OR ALTER?
S7	4117893	LEVEL? OR AMOUNT? OR ALLOCATION
S8	69590	S7(3N)(DESIRED OR THRESHOLD OR PREFERRED OR REQUIRED)
S9	2659	DIGITAL()MODEM?
S10	516	EQUIVALEN?(3N)CLASSES
S11	200	S5(S)S6(S)S8(S)(S3 OR S4)
S12	95	S1(S)S2(S)S6
S13	367	S1(S)S9
S14	0	S11(S)S1
S15	3	S11(S)MODEM? ?
S16	9	S12(S)S3
S17	4	RD S16 (unique items)
S18	17	S13(S)S3
S19	2	S18(S)S6
S20	4	S17 NOT S19

15/3,K/1   (Item 1 from file: 16)

06232098   Supplier Number: 54264986   (USE FORMAT 7 FOR FULLTEXT)
NOTEBOOK.
Television Digest, v39, n13, pNA
March 29, 1999
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 1709

   (USE FORMAT 7 FOR FULLTEXT)
TEXT:
...ASCAP were unsuccessful." In filing, stations argued that reduced ASCAP
fees were justified because of **changes** in TV programming that had
resulted in use of less music in local and syndicated...

...said. Sen. Dorgan (D-N.D.) said Justice Dept. Antitrust Div. needs more
resources to **evaluate** properly "megamergers" in communications and other
industries. Saying deals are "alarming developments," he joined in...

...by WHWH(AM) Trenton and WBBO(FM) Monmouth County, Lucent spokesman said.
Testing is to **measure** interference levels and coverage areas in different
broadcast operating environments, he said, as well as to **evaluate**
Lucent's Multist reaming technology. Nassau was interested in project, he
said, in part because...lead managers on global bond offering. FCC agreed
to extend comment deadlines for its low-**power** FM (microradio) rulemaking
until June 1 (replies July 1), from original April 12 (May 12...

...substantial" extension should provide enough time for testing.
Technology Notes: Rogers Cablesystems added Terayon cable **modems** and
headend equipment to its supply base, parties said, with Rogers AtHome Vp
Alek Krstajic citing Terayon's commitment to provide
CableLabs-interoperable **modems** "as soon as possible." Terayon has
agreements with MSOs covering 2/3 of Canadian market...

...against WJNY(AM) Jackson, Miss., to $10,000 from $18,000 for failing to
reduce **power** to **required** night-time **levels** and for failure to
maintain fencing to prevent unauthorized access. Signal strength was
monitored by...

   15/3,K/2   (Item 1 from file: 148)

10923379   SUPPLIER NUMBER: 54264986   (USE FORMAT 7 OR 9 FOR FULL TEXT)
NOTEBOOK.
Television Digest, 39, 13, NA
March 29, 1999
ISSN: 0497-1515   LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 1823   LINE COUNT: 00146

TEXT:
      ...ASCAP were unsuccessful." In filing, stations argued that reduced
ASCAP fees were justified because of **changes** in TV programming that had
resulted in use of less music in local and syndicated...

...said. Sen. Dorgan (D-N.D.) said Justice Dept. Antitrust Div. needs more
resources to **evaluate** properly "megamergers" in communications and other
industries. Saying deals are "alarming developments," he joined in...

...by WHWH(AM) Trenton and WBBO(FM) Monmouth County, Lucent spokesman said.
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broadcast operating environments, he said, as well as to **evaluate**

Lucent's Multist reaming technology. Nassau was interested in project, he said, in part because...lead managers on global bond offering. FCC agreed to extend comment deadlines for its low-**power** FM (microradio) rulemaking until June 1 (replies July 1), from original April 12 (May 12...

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...against WJNY(AM) Jackson, Miss., to $10,000 from $18,000 for failing to reduce **power** to **required** night-time **levels** and for failure to maintain fencing to prevent unauthorized access. Signal strength was monitored by...

15/3,K/3   (Item 1 from file: 88)
DIALOG(R)File 88:Gale Group Business A.R.T.S.
(c) 2001 The Gale Group. All rts. reserv.

03622892   SUPPLIER NUMBER: 16825428   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Allocating the local apportionment pie: what portion for resident aliens?
Goldfarb, Carl E.
Yale Law Journal, 104, n6, 1441-1472
April, 1995
ISSN: 0044-0094   LANGUAGE: English   RECORD TYPE: Fulltext; Abstract
WORD COUNT: 17916   LINE COUNT: 01477

...   his anti-immigrant campaign, a key to his revived political fortunes. Wilson proposed, among other **measures** , stripping children of illegal aliens of their right to U.S. citizenship, barring children in...

...A1. (47.) B. Drummond Ayres Jr., Anti-alien Movement Spreading in Wake of California's **Measure** , N,Y. Times, Dec. 4, 1994, at Al (noting that supporters of Proposition 187 movement...

...sections] 6 (1821), reprinted in Thorpe, supra, at 2639, 2641. In 1846, the plan was **revised** again by dropping the exclusion against paupers and increasing the number of Senate districts. Silva...

...revision was a political compromise, an effort to give New York and Kings Counties more **power** without giving them too much **power** . Counting all inhabitants would have greatly increased the political **power** of these counties, where many blacks and aliens lived; continuing to count only electors would...the United States or by any State on account of age."). (60.) Virtual representation is **required** at the federal **level** by the Enumeration Clause as amended by the Fourteenth Amendment. U.S. Const. art. 1...24. (74.) For the federal apportionment base, the rule follows from the Enumeration Clause as **modified** by the Fourteenth Amendment: Representatives and direct Taxes shall be apportioned among the several States...Gerald Gunther, The Supreme Court, 1971 Term-Foreword: In Search of Evolving Doctrine on a **Changing** Court: A Model for Newer Equal Protection, 86 Harv. L. Rev. 1, 8 (1972). (96...a high ranking, policymaking official"). (115.) Hull, supra note 105, at 26; Michael J. Perry, **Modem** Equal Protection, 79 Colum. L. Rev. 1023, 1064 (1979); David F. Levy, Note, The Equal...

...that they, like the state troopers involved in Foley, sufficiently partake of the sovereign's **power** to exercise coercive force over the individual that they may be limited to citizens."); see...

...lower court decision barring aliens from serving as grand jurors or petit jurors because of **power** jurors exercise over defendants); Skafte v. Rorex, 553 P.2d 830 (Colo. 1976) (holding that..

17/3,K/1   (Item 1 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)

08314321   Supplier Number: 70189707   (USE FORMAT 7 FOR FULLTEXT)
**SMC Wireless Barricade Does It All.(StarBand update, Networking with
StarBand, Q&A, and "My Broadband Story" round out this issue.)(Hardware
Review)(Evaluation)**
Finnie, Scot
WinMag.com, pNA
Feb 8, 2001
Language: English   Record Type: Fulltext Abstract
Article Type: Evaluation
Document Type: Magazine/Journal; Trade
Word Count: 5294

    (USE FORMAT 7 FOR FULLTEXT)
TEXT:
...with StarBandBroadband Q&AMy Broadband StoryLink of the Week – Da LAN
TechUpcoming ScheduleSubscribe, Unsubscribe, or **Change** Your AddressGet up
to speed on broadband data-transfer rates. SMC Wireless Barricade Does It
...

...Barricade came through with flying colors on all three tests -- after I
made one small **adjustment** . In fact, no product has done quite as well as
the Barricade did in these...

...and they might as well all be visible. I highly recommend that SMC's
engineers **change** this in a subsequent release of its firmware. It would
make more sense to create...

...a 9-pin serial port on the back to which you might attach a conventional
 analog   modem to be shared on the network. The parallel port provides
the print server functionality. Two...worked perfectly for the first time
ever.;;;;;;Since this **change** and StarBand's server improvements, I'd have
to say that StarBand has been operating...2-3 hrs. I later found out that
the StarBand office in Georgia had a **power** outage. Another call to the
tech line and after another four hours on the phone...

...and want to tell me about your experiences, or if you have questions
about StarBand, **send** me an e-mail.Back to TopWhat About Two-Way DirecPC?A
company called Pegasus...

...with a one-year commitment and also opt for DirecTV satellite TV
services, those prices **change** to $399 and $59.95 per month respectively.;
;;;;;I...been around for a couple of years, precisely because I just think
the need for **analog   modem** 56-kpbs dial-up makes it worthless. But, I
should add right here, that I...

17/3,K/2   (Item 2 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)

08253441   Supplier Number: 69475958   (USE FORMAT 7 FOR FULLTEXT)
**HEADLINE GOES HERE.(Everything you need to know about getting and using
broadband Internet access.)**
Finnie, Scot
WinMag.com, pNA
Jan 24, 2001
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 4729

    (USE FORMAT 7 FOR FULLTEXT)
TEXT:

...Q&A - Cable Modem and TVReader-to-ReaderLink of the Week -
Bandwidthplace.comSubscribe, Unsubscribe, or **Change** Your AddressGet up to
speed on broadband data-transfer rates.One-Year AnniversaryCongratulations
to us...

...please make a point to use your e-mail program's Mail Forward command to
 send it a friend whom you think would also benefit from it? Please add
your own...machine in the near future, and I'll report back on whether that
makes a **change** .;;;;;So far, these problems are the kinds of things I...
...at all. The modem's lights all show that my connection is operational.
I've **power** cycled the modem (per tech support's directions) and also
restarted Windows several times with...

...between the time you pressed down the gas pedal and the engine kicked in
the **power** . The same is true of broadband satellite **transmission** .;;;;
;Here's why. The satellite is thousands of miles out...

...high-speed ISP connection to the Internet, to the server on the Internet
you were **sending** the request, and then the stream you requested has to
make that entire trip back before you'll start seeing activity on your
computer. It's a huge detour to **send** an Internet stream out into space
and back again. Considering how far the signal travels...

...them. The same latency issue can give you the sense that your satellite
connection is **alternating** between rapid **transmission** and temporary
hesitations or dead moments. If you click, click, click on things, they
will...kbps IDSL connection. I have to continue testing to be sure, but
conversely, unless something **changes** , virtually any type of ADSL, SDSL,
or two-way cable modem service would be noticeably...

...toll-free tech support, and online alerts and FAQs. StarBand does not
offer a secondary **analog** **modem** dial-up service with nationwide points
of presence as some other broadband ISPs do, but questions about it, **send**
me an e-mail.Back to Top$399.99 for StarBand Model 180 USB satellite...all
the lines leading to the TVs. As I understand it, this device prevents
upload **transmissions** from leaking into the cable TV signal, where they
apparently disturb picture quality. I heard...

...it myself. If you can shine a far more informed light on this point,
please **send** along the facts.;;;;;Splitting a cable line is easy. It...

...of signal strength and other variables. Fewer connections are better. By
all means, make a **change** to add something cool like a TV-tuner-monitor.
But do it smartly. It's...

 17/3,K/3 **(Item 3 from file: 16)**
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2001 The Gale Group. All rts. reserv.

07797587 Supplier Number: 65161539 (USE FORMAT 7 FOR FULLTEXT)
**FreeDSL Success Stories.(Everything you need to know about getting and
 using broadband Internet access.)(Questions and Answers)**
Finnie, Scot
WinMag.com, pNA
August 15, 2000
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 4349

 (USE FORMAT 7 FOR FULLTEXT)
TEXT:
...I Hate My Frickin' ISP!'Download of the Week - Win2000 Service Pack
1Subscribe, Unsubscribe, or **Change** Your AddressWhat Broadband
Data-transfer Rate Abbreviations MeanFreeDSL Success StoriesThis week I
have not one...

...60-70 KB/sec compared to my best of 5KB/sec with a dial-up **analog modem** . I expect that additional tweaking will pick up more speed. I'm quite satisfied and...

...days of no disconnects or other problems, I made a three-month commitment to the **"Power** Level" of service, which gives me, on average, 387-kbps upstream and 220-kbps downstream...

...60 a month for faster-than 384-kbps throughput, I would recommend FreeDSL as an **alternative** , at least until costs come down for the fastest speeds. I've been able to...on my network, as soon as I switched the range back, I was forced to **change** my PC's network settings and reboot. Otherwise, I was locked out of my own...

...There are several other aspects of the SonicWall SOHO Tele that make it an intriguing **alternative** , especially in small business and telecommuter settings. It offers a high degree of VPN configuration...

...with the others I've reviewed. Outbound VPN worked without the need for any settings **changes** at all. Optionally, the SOHO Telecommuter also provides network anti-virus, content filtering, VPN features...ZoneAlarm will have logging features that 2.1 currently lacks, as well as several other **changes** . ZoneLabs will probably also charge for this version. Last I heard price hadn't been...pretty happy with it. On Thursday of last week, Flashcom tech support asked me to **send** them my LiveCon log file, and I did. Because my problem was intermittent, I believe that **sending** the log file went a long way toward their keeping after my problems.Speaking of... recall it (which listed all 1400+ e-mail addresses in clear text again.) The original **sender** 's name was Michael O'Reilly.;;;;;"This incident appears to...

...ISP!'All of us sing this tune at one time or another. Winmag.com Senior **Editor** Phil Albinus suggested it. Renowned musician and computer geek Todd Rundgren is touring again with...

17/3,K/4   (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

02471798   SUPPLIER NUMBER: 69960935   (USE FORMAT 7 OR 9 FOR FULL TEXT)
SMC Wireless Barricade Does It All.(StarBand update, Networking with
 StarBand, Q&A, and "My Broadband Story" round out this issue.)(Editorial)
Finnie, Scot
WinMag.com, NA
Feb 2, 2001
DOCUMENT TYPE: Editorial   LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 5294   LINE COUNT: 00407

TEXT:
        ...with StarBandBroadband Q&AMy Broadband StoryLink of the Week - Da LAN TechUpcoming ScheduleSubscribe, Unsubscribe, or **Change** Your AddressGet up to speed on broadband data-transfer rates. SMC Wireless Barricade Does It...

...Barricade came through with flying colors on all three tests -- after I made one small **adjustment** . In fact, no product has done quite as well as the Barricade did in these...

...and they might as well all be visible. I highly recommend that SMC's engineers **change** this in a subsequent release of its firmware. It would make more sense to create...

...a 9-pin serial port on the back to which you might attach a conventional **analog modem** to be shared on the network. The parallel port provides the print server functionality. Two...worked perfectly for the first time ever.   Since this **change** and StarBand's server improvements, I'd have to say that StarBand has been operating...2-3

hrs. I later found out that the StarBand office in Georgia had a **power** outage. Another call to the tech line and after another four hours on the phone...

...and want to tell me about your experiences, or if you have questions about StarBand, **send** me an e-mail.Back to TopWhat About Two-Way DirecPC?A company called Pegasus...

...with a one-year commitment and also opt for DirecTV satellite TV services, those prices **change** to $399 and $59.95 per month respectively.   I...been around for a couple of years, precisely because I just think the need for **analog modem** 56-kpbs dial-up makes it worthless. But, I should add right here, that I...

19/3,K/1   (Item 1 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)
(c) 2001 The Gale Group. All rts. reserv.

06393433   Supplier Number: 54813139   (USE FORMAT 7 FOR FULLTEXT)
Low-Power Connections.(What's Hot) ()(Brief Article)(Product Announcement)
InformationWeek, p194
June 7, 1999
Language: English   Record Type: Fulltext
Article Type: Brief Article; Product Announcement
Document Type: Magazine/Journal; Tabloid; General Trade
Word Count: 98

   (USE FORMAT 7 FOR FULLTEXT)
TEXT:
Mapletree Networks' 2100 Series **Digital   Modem** Card is a highly
scalable, low-**power** , universal port PCI adapter card for IP telephony and
network-access applications. It can handle 12 to 120 simultaneous
voice-over-IP, fax-over-IP, **analog   modem** , and ISDN calls for up to five
T1 or four E1 lines on one card...

...be dedicated to a specific function, eliminating the need to reconfigure
when the traffic mix **changes** . Price: $35 to $60 per port.

   19/3,K/2   (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2001 The Gale Group. All rts. reserv.

11105324   SUPPLIER NUMBER: 54813139   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Low-Power Connections.(What's Hot) ()(Brief Article)(Product Announcement)
InformationWeek, 194
June 7, 1999
DOCUMENT TYPE: Brief Article Product Announcement   ISSN: 8750-6874
LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 108   LINE COUNT: 00011

TEXT:
    Mapletree Networks' 2100 Series **Digital   Modem** Card is a highly
scalable, low-**power** , universal port PCI adapter card for IP telephony and
network-access applications. It can handle 12 to 120 simultaneous
voice-over-IP, fax-over-IP, **analog   modem** , and ISDN calls for up to five
T1 or four E1 lines on one card...

...be dedicated to a specific function, eliminating the need to reconfigure
when the traffic mix **changes** . Price: $35 to $60 per port.

20/3,K/1 , (Item 1 from file: 16)

08314321   Supplier Number: 70189707   (USE FORMAT 7 FOR FULLTEXT)
**SMC Wireless Barricade Does It All.(StarBand update, Networking with
StarBand, Q&A, and "My Broadband Story" round out this issue.)(Hardware
Review)(Evaluation)**
Finnie, Scot
WinMag.com, pNA
Feb 8, 2001
Language: English   Record Type: Fulltext Abstract
Article Type: Evaluation
Document Type: Magazine/Journal; Trade
Word Count: 5294

   (USE FORMAT 7 FOR FULLTEXT)
TEXT:
...with StarBandBroadband Q&AMy Broadband StoryLink of the Week - Da LAN
TechUpcoming ScheduleSubscribe, Unsubscribe, or **Change** Your AddressGet up
to speed on broadband data-transfer rates. SMC Wireless Barricade Does It
...

...Barricade came through with flying colors on all three tests -- after I
made one small **adjustment** . In fact, no product has done quite as well as
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...a 9-pin serial port on the back to which you might attach a conventional
 analog   modem to be shared on the network. The parallel port provides
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to say that StarBand has been operating...2-3 hrs. I later found out that
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...and want to tell me about your experiences, or if you have questions
about StarBand, **send** me an e-mail.Back to TopWhat About Two-Way DirecPC?A
company called Pegasus...

...with a one-year commitment and also opt for DirecTV satellite TV
services, those prices **change** to $399 and $59.95 per month respectively.;
;;;;;I...been around for a couple of years, precisely because I just think
the need for **analog   modem** 56-kpbs dial-up makes it worthless. But, I
should add right here, that I...

 20/3,K/2   (Item 2 from file: 16)

08253441   Supplier Number: 69475958   (USE FORMAT 7 FOR FULLTEXT)
**HEADLINE GOES HERE.(Everything you need to know about getting and using
broadband Internet access.)**
Finnie, Scot
WinMag.com, pNA
Jan 24, 2001
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 4729

   (USE FORMAT 7 FOR FULLTEXT)
TEXT:
...Q&A - Cable Modem and TVReader-to-ReaderLink of the Week -

Bandwidthplace.comSubscribe, Unsubscribe, or **Change** Your AddressGet up to
speed on broadband data-transfer rates.One-Year AnniversaryCongratulations
to us...

...please make a point to use your e-mail program's Mail Forward command to
 send it a friend whom you think would also benefit from it? Please add
your own...machine in the near future, and I'll report back on whether that
makes a **change** .;;;;;So far, these problems are the kinds of things I...
...at all. The modem's lights all show that my connection is operational.
I've **power** cycled the modem (per tech support's directions) and also
restarted Windows several times with...

...between the time you pressed down the gas pedal and the engine kicked in
the **power** . The same is true of broadband satellite **transmission** .;;;;
;Here's why. The satellite is thousands of miles out...

...high-speed ISP connection to the Internet, to the server on the Internet
you were **sending** the request, and then the stream you requested has to
make that entire trip back before you'll start seeing activity on your
computer. It's a huge detour to **send** an Internet stream out into space
and back again. Considering how far the signal travels...

...them. The same latency issue can give you the sense that your satellite
connection is **alternating** between rapid **transmission** and temporary
hesitations or dead moments. If you click, click, click on things, they
will...kbps IDSL connection. I have to continue testing to be sure, but
conversely, unless something **changes** , virtually any type of ADSL, SDSL,
or two-way cable modem service would be noticeably...

...toll-free tech support, and online alerts and FAQs. StarBand does not
offer a secondary **analog** **modem** dial-up service with nationwide points
of presence as some other broadband ISPs do, but questions about it, **send**
me an e-mail.Back to Top$399.99 for StarBand Model 180 USB satellite...all
the lines leading to the TVs. As I understand it, this device prevents
upload **transmissions** from leaking into the cable TV signal, where they
apparently disturb picture quality. I heard...

...it myself. If you can shine a far more informed light on this point,
please **send** along the facts.;;;;;Splitting a cable line is easy. It...

...of signal strength and other variables. Fewer connections are better. By
all means, make a **change** to add something cool like a TV-tuner-monitor.
But do it smartly. It's...

 20/3,K/3 **(Item 3 from file: 16)**
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2001 The Gale Group. All rts. reserv.

07797587 Supplier Number: 65161539 (USE FORMAT 7 FOR FULLTEXT)
**FreeDSL Success Stories.(Everything you need to know about getting and
using broadband Internet access.)(Questions and Answers)**
Finnie, Scot
WinMag.com, pNA
August 15, 2000
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 4349

 (USE FORMAT 7 FOR FULLTEXT)
TEXT:
...I Hate My Frickin' ISP!'Download of the Week - Win2000 Service Pack
1Subscribe, Unsubscribe, or **Change** Your AddressWhat Broadband
Data-transfer Rate Abbreviations MeanFreeDSL Success StoriesThis week I
have not one...

...60-70 KB/sec compared to my best of 5KB/sec with a dial-up **analog**

modem . I expect that additional tweaking will pick up more speed. I'm
quite satisfied and...
...days of no disconnects or other problems, I made a three-month
commitment to the **"Power** Level" of service, which gives me, on average,
387-kbps upstream and 220-kbps downstream...

...60 a month for faster-than 384-kbps throughput, I would recommend
FreeDSL as an **alternative** , at least until costs come down for the fastest
speeds. I've been able to...on my network, as soon as I switched the range
back, I was forced to **change** my PC's network settings and reboot.
Otherwise, I was locked out of my own...

...There are several other aspects of the SonicWall SOHO Tele that make it
an intriguing **alternative** , especially in small business and telecommuter
settings. It offers a high degree of VPN configuration...

...with the others I've reviewed. Outbound VPN worked without the need for
any settings **changes** at all. Optionally, the SOHO Telecommuter also
provides network anti-virus, content filtering, VPN features...ZoneAlarm
will have logging features that 2.1 currently lacks, as well as several
other **changes** . ZoneLabs will probably also charge for this version. Last
I heard price hadn't been...pretty happy with it. On Thursday of last week,
Flashcom tech support asked me to **send** them my LiveCon log file, and I
did. Because my problem was intermittent, I believe that **sending** the log
file went a long way toward their keeping after my problems.Speaking of...
recall it (which listed all 1400+ e-mail addresses in clear text again.)
The original **sender** 's name was Michael O'Reilly.;;;;;"This incident
appears to...

...ISP!'All of us sing this tune at one time or another. Winmag.com Senior
Editor Phil Albinus suggested it. Renowned musician and computer geek Todd
Rundgren is touring again with...

20/3,K/4   (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

02471798   SUPPLIER NUMBER: 69960935   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**SMC Wireless Barricade Does It All.(StarBand update, Networking with
 StarBand, Q&A, and "My Broadband Story" round out this issue.)(Editorial)**
Finnie, Scot
WinMag.com, NA
Feb 2, 2001
DOCUMENT TYPE: Editorial   LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 5294   LINE COUNT: 00407

TEXT:
        ...with StarBandBroadband Q&AMy Broadband StoryLink of the Week – Da
LAN TechUpcoming ScheduleSubscribe, Unsubscribe, or **Change** Your
AddressGet up to speed on broadband data-transfer rates. SMC Wireless
Barricade Does It...

...Barricade came through with flying colors on all three tests -- after I
made one small **adjustment** . In fact, no product has done quite as well as
the Barricade did in these...

...and they might as well all be visible. I highly recommend that SMC's
engineers **change** this in a subsequent release of its firmware. It would
make more sense to create...

...a 9-pin serial port on the back to which you might attach a conventional
 analog **modem** to be shared on the network. The parallel port provides
the print server functionality. Two...worked perfectly for the first time
ever.   Since this **change** and StarBand's
server improvements, I'd have to say that StarBand has been operating...2-3
hrs. I later found out that the StarBand office in Georgia had a **power**

outage. Another call to the tech line and after another four hours on the phone...

...and want to tell me about your experiences, or if you have questions about StarBand, **send** me an e-mail.Back to TopWhat About Two-Way DirecPC?A company called Pegasus...

...with a one-year commitment and also opt for DirecTV satellite TV services, those prices **change** to $399 and $59.95 per month respectively.   I...been around for a couple of years, precisely because I just think the need for **analog modem** 56-kpbs dial-up makes it worthless. But, I should add right here, that I...

Set	Items	Description
S1	1682	ANALOG()MODEM?
S2	387592	TRANSMIT? OR TRANSM? OR SEND?
S3	744966	POWER OR ENERGY
S4	4319	(VOLTAGE? OR VOLT)(10N)(LEVEL? OR OUTPUT? OR OUTFLOW? OR S-ETTING?)
S5	555257	MEASUR? OR ASSESS OR EVALUAT? OR DETECT? OR SENSING
S6	1652507	ADJUST? OR REVISED OR CHANG? OR MODIF? OR EDIT? OR ALTER?
S7	1067275	LEVEL? OR AMOUNT? OR ALLOCATION
S8	11941	S7(3N)(DESIRED OR THRESHOLD OR PREFERRED OR REQUIRED)
S9	676	DIGITAL()MODEM?
S10	53	EQUIVALEN?(3N)CLASSES
S11	18	S5(S)S6(S)S8(S)(S3 OR S4)
S12	21	S1(S)S2(S)S6
S13	59	S1(S)S9
S14	0	S11(S)S1
S15	1	S11(S)MODEM? ?
S16	7	S12(S)S3
S17	4	S13(S)S3
S18	5	MODEM? ?(S)S3(S)S8
S19	4	S18 NOT (S15 OR S16 OR S17)
S20	4	RD S19 (unique items)

074562
VPN RFP - Altiga
Journal: Network World
Publication Date: May 10, 1999
Word Count: 2735   Line Count: 267

Text:
... for configuration, administration and monitoring.SNMP monitoring and
alert reporting.Platform independent Altiga Monitoring Station (**revised**
version available 10/99) for real-time statistics gathering with
Performance reporting, Capacity planning and Trend Analysis.Redundant Load
Sharing **power** suppliesRedundant FansMultiple image and configuration
storageTemperature, Fan speed, Throughput and CPU utilization displays We
understand...

... Altiga Networks VPN Concentrator is designed to be placed into the
network infrastructure without forcing **changes** to the existing network.
Users accessing the corporate network should be authenticated prior to
gaining...

... and V2 along with MPPE will provide a high level of security. If an
enhanced **level** of security is **desired** , PEMC can deploy the Altiga IPSec
client. The client can be deployed without educating the...processing of an
ASIC while at the same time being software based. As existing standards
change and new standards become solidified, the DSP can be reprogrammed.
As the world is continually...

... your investment in the install base. In addition, use of DSP technology .
allows Altiga to **modify** the core security engine to tailor operation
specifically for the remote access VPN application. This...

... a device incorporates hardware encryption does not mean it has been
optimized to provide the **level** of functionality **required** by the
enterprise VPN. The Altiga VPN Concentrator has been architected as a VPN
communications...

... for encryption method, and define and control access policies centrally
allows PEMC to define the **level** of security **required** for your users
without compromise. Altiga recommends the highest level of encryption for
all users...

... 200,000 hours. The unit is equipped with dual flash, redundant fans,
load sharing redundant **power** supply option and with the ability to
support multiple hardware encryption modules. Even with this...

... communicate with each other. The units are continuously monitoring the
health of the other. Upon **detection** of a failure of the primary unit, the
backup unit will assume the identity of...the unit. Roles can be defined to
limit who has the ability to make configuration **changes** , can view
statistics and configurations, and view connection status including
protocol used, time of connection...

... an increased level of security. All of the clients can continue to use
their existing **modems** to connect to your desired ISP for tunneled
connectivity to the corporate resources. We recommend...

... requiring large amounts of bandwidth be migrated to broadband
connections. Broadband connectivity such as cable **modems** and DSL are
economically viable and will reduce telecommuter connection time while
increasing productivity. The...

16/3,K/1   (Item 1 from file: 674)

073375
Fast access
Speedy, scalable and easy to operate - the competition heats up among enterprise-class remote access servers.
Byline: JASON VAN CLEVE AND IVAN CHU
Journal: Network World   Page Number: 44
Publication Date: March 29, 1999
Word Count: 2154   Line Count: 208

Text:
... area of scalability. It tops out at 96 analog calls and has only a single **power** supply. By contrast, 3Com's Total Control Multiservice Access Platform with HiPer Access System has a rated capacity of 360 simultaneous analog calls and two hot-swappable **power** supplies. The Total Control system also has superior management features, including its optional EdgeServer Pro...

... giving you scant status information. Ascend also lacks modular flexibility because it has only one **power** supply.3Com's Total Control system provides the highest level of versatility with its built...
... and AppleTalk support was not available, and the unit was equipped with only a single **power** supply. An optional VPN management card was unavailable for this review. Monitoring and managingEnhanced management...

...them remotely. Overall, the menu-driven software of Ascend's Max 6000 is an effective **change** from the traditional command-line approach. However, many of the commands are buried several layers...as the maximum number of simultaneous users is redundancy, including hot-swappable components and multiple **power** supplies.As mentioned, scalability is not a strong point of Ascend's Max 6000, which...

... modem cards including HiPer DSP (dual/single) PRI/T-1/E-1, channelized 24-port **analog** **modems** , 56K bit/sec Quad modems and HiPer Arc Routers. Geared more toward the service provider...

... 1 cards. The supporting modems occupy the remaining six slots. The unit has two nonswappable **power** supplies.Ericsson's Tigris 3-Slot also supports 96 analog connections using its modular concentrator...

... horizontally. The industrial-strength chassis, which looks like a PC, comes with two hot-swappable **power** supplies. However, Cabletron's modem cards are not hot-swappable.NBase-Xyplex's EdgeBlaster was...
... questions and help troubleshoot any problems we encountered. Only Intel and NBase-Xyplex did not **send** a technician. In both cases, however, we had no trouble getting the units up and...what most mid-size to large enterprises require, but it's backed by a redundant **power** supply and hot-swappable cards. However, you'll sacrifice throughput for scale with the PortMaster...

16/3,K/2   (Item 2 from file: 674)

073372
Remote access: Have it your way
Choose from sophisticated boxes or build your own remote access device with drop-in server cards.
Byline: TIM GREENE
Journal: Network World   Page Number: 43
Publication Date: March 29, 1999
Word Count: 943   Line Count: 89

Text:
In the remote access arena, the more things **change** , the more they stay the same. Vendors continue to increase port capacity, improve security and ...

... Rate Interface lines, they can make 128K bit/sec connections; if not, they can use **analog modems** . All those surveyed support V.90, enabling 56K bit/sec downloads to remote users who...

...In addition, all the remote access devices can use a single phone number to handle **analog modem** and ISDN calls. The boxes detect whether a call is analog or ISDN and respond...

... the servers and server board products compress data traffic so remote users spend less time **sending** and receiving data, which can save on phone costs. Most of the vendors employ hardware...

...for buyers of the chassis-based products. Look for hot-swappable boards, modems, WAN interfaces, **power** supplies, cooling fans and daughterboards. Among the vendors in our survey, 3Com, Assured Access Technology...

... devices. Most of the cards feature onboard processors to handle calls without sapping the processing **power** of the server's CPU.The number of dial-up sessions each card can support...

...expect direct-dial will be with us for quite a while. Greene is a senior **editor** at Network World. He can be reached at tgreene@nww.com.

16/3,K/3   (Item 3 from file: 674)
DIALOG(R)File 674:Computer News Fulltext

069182
It's Access Stupid
BANDWIDTH is Exploding in WAN and campus backbones. Now if we could just resolve this little access problem . . .
Byline: TIM GREENE
Journal: Network World   Page Number: 89
Publication Date: September 28, 1998
Word Count: 1781   Line Count: 154

Text:
... in a winner-take-all battle for dominance.But don't count out well-established **alternatives** such as **analog modems** , which have been boosted to support speeds up to 56K bit/sec, and ISDN. In...

...Gartner Group projects that by 2004, half of remote access will still be done by **analog modems** , with ISDN grabbing more than 30% and the rest being shared by DSL, cable modems...

...to buy. The problem comes after you own the DSL modem for your end, then **change** carriers. The modem you own might not work with the equipment your new provider uses...
... installed.DSL has already turned out to be a fast, inexpensive and reliable remote access **alternative** for Bill Yundt, vice president of network operations for WebTV.The DSL service WebTV buys...

... offer no cable modem service or use a technology that requires the remote user to **send** uploads via a regular phone line. But in areas where cable modems are available, they...agree is the theoretical speed limit of 56K bit/sec. ISDN, the digital dial-up **alternative** , stretches the bandwidth a phone line can handle to 128K bit/sec.The beauty of **analog modems** is that they are so flexible. They can work from any phone, anywhere in the...

... U.S. public phone networks because of a Federal Communications Commission limit on how much **power** carriers can use on phone lines.Like

so many network technologies, 56K bit/sec modems...

... sec modem.Northwest Multiple Listing Service in Kirkland, Wash., is among those companies for which **analog modems** still make the most sense."Anywhere that there is an analog phone line, people can...

16/3,K/4 (Item 4 from file: 674)
DIALOG(R)File 674:Computer News Fulltext
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068061
There's no stopping IP
Byline: Susan Breidenbach
Journal: Network World   Page Number: 35
Publication Date: August 10, 1998
Word Count: 4718   Line Count: 437

Text:
... that provides IP telephony services to carriers. "When we packetize voice, we are using computing **power** at or near end points to avoid using network bandwidth. And following Moore's Law...

...and telcos around the world. "Every bill costs the phone companies $1 to $2 to **send** and takes a similar hit on the receiving side. And users also have to bear...

... is a huge savings to be realized on both sides by converging networks and services." **Change** of heartThat's a significant **change** in thinking from just a few years ago when IP telephony was first introduced. The...IP telephony is not about arbitrage of high-priced PSTN services and low-priced IP **alternatives** . Traditional voice service for corporate customers is down to 3 cents per minute, and time...

... to toll booths that IP telephony can bypass. This government-induced distortion could disappear or **change** overnight, but meanwhile it is providing a first-stage thrust to convergence (see story, page...

... story, page 60). Remotely located co-workers can work on a draft together instead of **sending** around various versions by e-mail."Once people experience this and see how much more...are on at least as steep a price/performance curve as electronics. Fiber purity and **transmission** quality are improving, so signals can go much farther before requiring amplification or regeneration. That...couple of years. There will still be a vast number of people coming in over **analog modems** , and those calls will have to be circuit- switched."The winner will be the service...

...the availability of increasingly cheaper bandwidth means it doesn't cost that much more to **send** something across the country than across town, even on circuit-switched networks.Traditional telcos are...

... IP telephony equipment costs about $1,000 per line, compared with $150 for analog lines. **Transmission** is cheaper, but the end-point equipment is still a lot more expensive."The cost...reliability for added flexibility. Users interface with them through general-purpose PCs that are constantly **changing** ."How many people haven't rebooted their desktops this year?" asks John Hart, chief technology...

...by using private network segments to avoid congested areas on the public Internet. However, such **transmissions** don't get the full economic benefit of using the public backbone. Some say a...

16/3,K/5 (Item 5 from file: 674)
DIALOG(R)File 674:Computer News Fulltext
(c) 2001 IDG Communications. All rts. reserv.

062277
In search of 56K
Buyer's Guide
Review: Authorware 4 Interactive Studio
Byline: Chris DeVoney
Journal: Computerworld   Page Number: 77
Publication Date: September 29, 1997
Word Count: 1211   Line Count: 110

Text:
... offer download speeds as fast as 56K bit/sec., almost twice the speed
of current **analog   modems** . That offers the tantalizing promise of faster
World Wide Web browsing and file and program...

... an analog signal at a telephone company's local switch. Because those
digital channels can **send** up to 56,000 signaling bits per second into the
analog channel, you can have...

... 53K bit/sec. speeds in the U.S. because of Federal Communications
Commission restrictions on **power** usage. We gathered X2 and 56K bit/sec.
modems from several manufacturers. For X2, we...
... the average connection speed up to 44K bit/sec. CONSISTENCY Although
both types of modems **adjust** speeds up or down based on **changing** line
conditions, the speed usually remains the same throughout the call. During
our throughput tests...the equipment must be replaced. In those cases, the
cost/benefit analysis must consider that **changeover** . In all, 56K
bit/sec. technology can benefit many users. Just don't set your...

16/3,K/6   (Item 6 from file: 674)
DIALOG(R)File 674:Computer News Fulltext
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047811
LAN access worlds CONVERGE
Buyer's Guide
Once-competing vendor camps are now borrowing from each other as business
    and Internet communities find common ground.
Byline: Tony Croes
Journal: Network World   Page Number: 57
Publication Date: October 30, 1995
Word Count: 2153   Line Count: 201

Text:
... access device to support a single node at a time or multiple remote
nodes simultaneously. **Alternatively** , you might prefer to have a dial-up
router connect to a central-site LAN...

...get by with one port for every 10 users. But keep in mind that some ``
power '' telecommuters will require their own port. If you need to support
a very large number...

...Rate Interface circuit. The Ascend, Shiva and 3Com servers have an added
capability to support **analog   modem** calls over the PRI link using
digital modem technology. This allows the telephone company to...based
remote nodes is the Password Authentication Protocol (PAP), which requires
the remote node to **send** an unencoded user ID and password. The remote LAN
access device validates those pieces of...

... a variant of the Challenge Handshake Authentication Protocol (CHAP).
With CHAP, the remote access server **sends** a unique 16-character code
called a challenge to the remote user each time a...

...such as the SecureID card from Security Dynamics, Inc. In this approach,
the server still **sends** a challenge but the remote user must enter
information into the third-party security device...

... enable you to swap out failed boards and support some form of redundant
interfaces and **power** supplies. If you're considering a software-based
product, it'll be well worth the...

... hardware supports a bunch of fault-tolerant features, including dual
load-sharing and hot-swappable **power** supplies, a dedicated management
processor and intelligent environmental monitoring. Other features deal
with remote access...

16/3,K/7   (Item 7 from file: 674)

043467
OPENING THE DOOR TO ISDN
NetworkWorld Review
**These four devices - 3Com's Impact, IBM's WaveRunner, Digi International's
    DataFire and ISDNtek's Cyberspace Internet - turn a stroll on the
    Internet into a quick dash for data.**
Byline: Bob Larribeau
Journal: Network World   Page Number: 48
Publication Date: April 03, 1995
Word Count: 3052   Line Count: 270

Text:
... of its configuration parameters, including those set by the DOS
utility, can be viewed and **modified** using AT commands through a terminal
emulator. We used NetManage's Internet Chameleon configured for...

... required a phone call to 3Com's technical support staff to find out how
to **change** NetManage's SLIP.INI to get Internet Chameleon and Impact to
work together. The Windows DataFire required a lot of manual effort. We had
to manually **modify** the CONFIG.SYS and the AUTOEXEC.BAT to load the
required drivers, and manually create...
... use. Employing DataFire for Internet access with PPP really does not
show off its full **power** . But when DataFire is used with other Digi
International products in a communications server for...

...converts them to synchronous PPP. The board has three switch blocks that
are used to **change** the communications port and direct memory access
parameters. The modem emulation makes it easy to...

... described for the ISDNtek board below. IBM also has recently introduced
WaveRunner PCMCIA ISDN Or **Analog Modem** with a list price of $595. It
includes all of the ISDN capabilities of the...

...INI file to communicate configuration information to Internet Chameleon.
It was also necessary to manually **modify** the SYSTEM.INI and the
CONFIG.SYS in order to reserve 16K bytes needed by... The Internet
Engineering Task Force, which defines the TCP/IP standards, has defined
techniques for **sending** TCP/IP and other networking protocols over an ISDN
line based on PPP. We used...

... and supports both V.120 and V.34bis modem. Also, you can use WaveRunner
to **send** and receive faxes, as well as to call modem-based data
communications systems,
?

17/3,K/1   (Item 1 from file: 635)
DIALOG(R)File 635:Business Dateline(R)
(c) 2001 Bell & Howell. All rts. reserv.

0866921 98-27284
Corporate profile for VersaNET Communications
Anonymous
Business Wire (San Francisco, CA, US) p1
PUBL DATE: 971114
WORD COUNT: 486
DATELINE: Diamond Bar, CA, US, Pacific

TEXT:

     ...fully integrated and complete systems at an affordable
price. They include up to 48/60 **digital   modems** , a router, a terminal
server, two channelized T1/E1/PRI interfaces, and two high-speed...

...be stand-alone.
The ISP-Accelerator(tm) 2002 has the added benefit of dual redundant
power supplies. Both **power** supplies and modem cards are hot
swappable. VersaNET's Remote Access Server solutions yield a smooth
transition from the stand-alone analog technology to **digital   modems** .

AccelNET(tm) SOHO Routers

     The AccelNET router family provides Internet Service Provider
with six models...

...family combines a LAN
connection, router and depending on the model can have multiple
bonded **analog   modems** , ISDN/BRI and/or IDSL in a single unit.
     AccelNET(tm) is fully compatible with...

17/3,K/2   (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2001 CMP. All rts. reserv.

01193433   CMP ACCESSION NUMBER: IWK19990607S0068
Low-Power Connections (What's Hot)
INFORMATIONWEEK, 1999, n 737, PG194
PUBLICATION DATE: 990607
JOURNAL CODE: IWK   LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Behind The News
WORD COUNT: 99

TEXT:
     Mapletree Networks' 2100 Series **Digital   Modem** Card is a highly
scalable, low-**power** , universal port PCI adapter card for IP telephony
and network-access applications. It can handle 12 to 120 simultaneous
voice-over-IP, fax-over-IP, **analog   modem** , and ISDN calls for up to
five T1 or four E1 lines on one card...

17/3,K/3   (Item 1 from file: 674)
DIALOG(R)File 674:Computer News Fulltext
(c) 2001 IDG Communications. All rts. reserv.

047811
LAN access worlds CONVERGE
Buyer's Guide
**Once-competing vendor camps are now borrowing from each other as business
   and Internet communities find common ground.**
Byline: Tony Croes
Journal: Network World   Page Number: 57

Text:
...get by with one port for every 10 users. But keep in mind that some ``
power '' telecommuters will require their own port. If you need to support
a very large number...

...Rate Interface circuit. The Ascend, Shiva and 3Com servers have an added
capability to support **analog   modem**   calls over the PRI link using
digital   modem technology. This allows the telephone company to signal
the server over the PRI's D...enable you to swap out failed boards and
support some form of redundant interfaces and **power** supplies. If you're
considering a software-based product, it'll be well worth the...
... hardware supports a bunch of fault-tolerant features, including dual
load-sharing and hot-swappable **power** supplies, a dedicated management
processor and intelligent environmental monitoring. Other features deal
with remote access...

17/3,K/4   (Item 2 from file: 674)
OPENING THE DOOR TO ISDN
NetworkWorld Review
**These four devices - 3Com's Impact, IBM's WaveRunner, Digi International's
    DataFire and ISDNtek's Cyberspace Internet - turn a stroll on the
    Internet into a quick dash for data.**

Text:
... and have targeted it for their products, as well. Impact The 3Com
Impact ISDN External **Digital   Modem** (originally known as the AccessWorks
QuickAccess Remote) connects to a computer's serial port and...use.
Employing DataFire for Internet access with PPP really does not show off
its full **power** . But when DataFire is used with other Digi International
products in a communications server for...

... streets. This should make DataFire an attractive product under Windows
NT. WaveRunner IBM's WaveRunner **Digital   Modem** is a solid performer in a
full-size ISA bus card. It has an S...

... described for the ISDNtek board below. IBM also has recently introduced
WaveRunner PCMCIA ISDN Or **Analog   Modem** with a list price of $595. It
includes all of the ISDN capabilities of the WaveRunner **Digital   Modem**
ISA card, including its ability to support V.32bis and fax modem emulation
over an...
?

20/3,K/1   (Item 1 from file: 635)
DIALOG(R)File 635:Business Dateline(R)
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0531061 94-85746
SystemSoft announces new software products for PCMCIA
Sereiko, Paul
Business Wire (San Francisco, CA, US) s1 p1
PUBL DATE: 940919
WORD COUNT: 927
DATELINE: Natick, MA, US

TEXT:

     ...of the crucial impediments to the proliferation of mobile
computing."

     CardPower

     CardPower extends system-level **power** management capabilities to
PCMCIA slots. CardPower is specifically designed to provide two benefits:
extended system...

...and increased reliability. With CardPower, inactive PCMCIA cards will be
shut down to eliminate unnecessary **power** consumption. CardPower also
offers local standby for **modems** and ATA drives, and save and restore
features for PCMCIA **modems** . Fully Windows 3.1 compliant, CardPower
provides an easy-to-use interface for custom PCMCIA **power** management
control. The CardPower Windows applet lets users control the **desired**
level of **power** conservation in order to extend battery life.

     CardPower is based on the Power Management Coordinator...

20/3,K/2   (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2001 CMP. All rts. reserv.

01217624   CMP ACCESSION NUMBER: EET20000619S0079
Net access attains its own status
Ravi Subramanian, Vice President of Systems Engineering, Randall Fahey,
    Vice President of Marketing, Morphics Technology Inc., Campbell,
    Calif., ravis@morphics.com, rfahey@morphics.com
ELECTRONIC ENGINEERING TIMES, 2000, n 1118, PG104
PUBLICATION DATE: 000619
JOURNAL CODE: EET   LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Communications - Focus: Wireless Traffic On Broadband
WORD COUNT: 1781

...   phenomenon has been observed before in many wired and wireless
broadband applications, ranging from cable **modems** and digital video
broadcast (DVB), to digital subscriber line (DSL) **modems** . Because
algorithmic complexity in those systems typically **required** an
extraordinary **amount** of digital signal processing, system and chip
designers were forced to move to application-specific solutions, or settle
for higher cost and **power** budgets with more well-rounded, but generic,
programmable signal processors.

Two solutions have been proposed...

20/3,K/3   (Item 2 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2001 CMP. All rts. reserv.

01168970   CMP ACCESSION NUMBER: LTH19980801S0005

Lab Rat Report - Power Trip
TELE.COM, 1998, n 309, PG1
PUBLICATION DATE: 980801
JOURNAL CODE: LTH   LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Page One
WORD COUNT: 121

TEXT:
...   really great things about traditional telephone service is that it
doesn't disappear during a **power** failure. The same can't be said for
cable-based phone service. After all, cable operators use residential
power for their in-home devices, such as **modems** and set- tops, whereas
phone companies draw their **power** from elsewhere. Simply sending voltage
over the coaxial cables doesn't help. That might damage...

...siphon juice from the line before it harms anything. It also supposedly
offers the higher **level** of lightning protection **required** of telephone
systems.

20/3,K/4   (Item 1 from file: 674)
DIALOG(R)File 674:Computer News Fulltext
(c) 2001 IDG Communications. All rts. reserv.

048062
J&L serves up winning remote access gear
Byline: Mark Gibbs
Journal: Network World   Page Number: 2
Publication Date: November 13, 1995
Word Count: 1100   Line Count: 105

Text:
... user   from being accessed through a subsequent incoming remote
connection. The technique senses when the **modem** attached to a board drops
the DSR or DCD lines. The second patent is for the simple technique of
``busying-out'' the **modem**   during the hard reset. This ensures that the
board cannot be accessed during that procedure...

...a board can be replaced without downing the entire system. Similarly, as
many as four **power** supplies can be ganged and hot-swapped as required.
J&L's rack-and-board...

... Integrated with J&L's ChatView/SNMP for reporting and diagnostics,
Intelli-Management reduces the **amount** of human intervention **required** to
a   minimum. ChatView/SNMP is an enhancement of the ChatView server
management software J...

Set	Items	Description
S1	54	ANALOG()MODEM?
S2	1577947	TRANSMIT? OR TRANSM? OR SEND?
S3	1800244	POWER OR ENERGY
S4	247790	(VOLTAGE? OR VOLT)(10N)(LEVEL? OR OUTPUT? OR OUTFLOW? OR S-ETTING?)
S5	2360572	MEASUR? OR ASSESS OR EVALUAT? OR DETECT? OR SENSING
S6	2437786	ADJUST? OR REVISED OR CHANG? OR MODIF? OR EDIT? OR ALTER?
S7	1428151	LEVEL? OR AMOUNT? OR ALLOCATION
S8	54386	S7(3N)(DESIRED OR THRESHOLD OR PREFERRED OR REQUIRED)
S9	127	DIGITAL()MODEM?
S10	25	EQUIVALEN?(3N)CLASSES
S11	1751	S5 AND S6 AND S8 AND (S3 OR S4)
S12	9	S1 AND S2 AND S6
S13	3	S1 AND S9
S14	0	S11 AND S1
S15	2	S11 AND MODEM? ?

06389658   **Image available**
PHS DATA CONVERTING METHOD AND PHS DATA CONVERTING DEVICE

PUB. NO.:   11-331306 [JP 11331306 A]
PUBLISHED: November 30, 1999 (19991130)
INVENTOR(s):   KOMATSU SHIGERU
APPLICANT(s): NEC CORP
APPL. NO.:   10-131586 [JP 98131586]
FILED: May 14, 1998 (19980514)

ABSTRACT
... data communication call between a self-supporting PHS data terminal and
a PSTN network without **changing** the specifications addition and
connection procedure of a terminal side PIAFS on a self-supporting...

... a self-supporting PHS channel, identifies a voice call and a protocol
conversion call and **transmits** voice data to a voice call processing part
22 in the case of a voice call. It **transmits** PIAFS data to a PIAFS signal
processing part 24 in the case of a protocol...

...converting part 25 converts a PIAFS data signal processed by the part 24
into an **analog** **modem** signal and **transmits** the **analog** **modem** signal
to an analog call controlling part 23. The part 23 makes a call connection
request to a PSTN network 26 and after connection, **transmits** data
undergoing protocol conversion in the part 25 to the network 26.

COPYRIGHT: (C)1999...

05941650   **Image available**
TELETEXT IMAGE COMPOSITE INFORMATION **TRANSMISSION** METHOD AND TELETEXT
IMAGE COMPOSITE INFORMATION **TRANSMITTER**

PUB. NO.:   10-224750 [JP 10224750 A]
PUBLISHED: August 21, 1998 (19980821)
INVENTOR(s):   KOBAYASHI IKUO
APPLICANT(s): TASUKO DENKI KK [000000] (A Japanese Company or Corporation),
               JP (Japan)
APPL. NO.:   09-131609 [JP 97131609]
FILED: May 07, 1997 (19970507)

TELETEXT IMAGE COMPOSITE INFORMATION **TRANSMISSION** METHOD AND TELETEXT
IMAGE COMPOSITE INFORMATION **TRANSMITTER**

ABSTRACT
PROBLEM TO BE SOLVED: To provide a teletext image composite information
 transmitter in which a partial image is **transmitted** and information
such as a size relating to the partial image is **transmitted** .

...
... externally received image signal is given to an image information
control section 3 and an **analog** **modem** 1, where the signal is converted
into a low speed scanning TV signal receiving subcarrier...

... signal is outputted in succession to the digital information under the
control of a modem **changeover** control section 4 and a mixture information
discrimination section 5. On the other hand, the

12/3,K/3   (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO

04111315   **Image available**
DTE FACILITY CONTROL SYSTEM USING AT COMMAND

PUB. NO.:   05-103015 [JP 5103015 A]
PUBLISHED: April 23, 1993 (19930423)
INVENTOR(s):   .AKIYOSHI KAZUMI
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP
                (Japan)
APPL. NO.:   03-259269 [JP 91259269]
FILED: October 07, 1991 (19911007)
JOURNAL: Section: E, Section No. 1418, Vol. 17, No. 456, Pg. 114,
                August 20, 1993 (19930820)

ABSTRACT
... to the DTE (data terminal equipment) facility control system using the
AT command in an **analog   modem** or the like...

... registered, a means 11 identifying an AT command from a terminal
equipment, a means 12 **editing** a **transmission** packet, and a means 13
imparting the DTE facility to a **transmission** packet, and a facility
registered in the means 10 is imparted to an AT command...

12/3,K/4   (Item 4 from file: 347)
DIALOG(R)File 347:JAPIO

00450915
FACSIMILE INFORMATION COMPRESSION SYSTEM

PUB. NO.:   .54-102915 [JP 54102915 A]
PUBLISHED: August 13, 1979 (19790813)
INVENTOR(s):   TAKAYAMA SHOICHIRO
APPLICANT(s): OKI ELECTRIC IND CO LTD [000029] (A Japanese Company or
                Corporation), JP (Japan)
APPL. NO.:   53-008910 [JP 788910]
FILED: January 31, 1978 (19780131)
JOURNAL: Section: E, Section No. 145, Vol. 03, No. 125, Pg. 69,
                October 19, 1979 (19791019)

ABSTRACT
PURPOSE: To reduce the flag **transmission** time and thus to accelerate the
 transmission of the standard facsimile by giving the white ground jumping
under the **analog   MODEM** and expressing the flag in a double way to omit
the large section having no...

...CONSTITUTION: In the facsimile **transmission** system using the **analog
MODEM**   , the picture signal is divided into minor sections of a fixed
length, and the section...

... section to be used the pilot flag. The flag expressing the full white
part is **changed**   to the f(sub 0) flag featuring a fixed length of the
zero-phase carrier...

... difference with the previous scanning, and the picture signal of the
black   containing   part is **transmitted** directly to accelerate the
transmission time.

12/3,K/5   (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

013476175   **Image available**
WPI Acc No: 2000-648118/200063
XRPX Acc No: N00-480375
 **Moving and static image data display system for streets and city squares,
 has video-panel display unit with separate panels for integrated
 whole-image display**
Patent Assignee: SCHOLZ B (SCHO-I); ZYGMANOWSKI A (ZYGM-I)
Inventor: SCHOLZ B; ZYGMANOWSKI A
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 19912382	A1	20000921	DE 1012382	A	19990319	200063	B

Priority Applications (No Type Date): DE 1012382 A 19990319
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 19912382	A1		5	G06F-003/14	

Abstract (Basic):
...   An image data display device for displaying image data available
    in a data **transmission** network, such as Internet etc., includes a
    video-panel display unit (1) based on 4...

...video-panel display unit (1), into the Internet, for which purpose a
    conventional computer, using **modified** UNIX-system soft wear, can be
    used.
...   Can display image (picture) data from an existing data
    transmission network (Internet etc) on a display device which can be
    installed at selected locations on...

...Long distance data **transmission** unit with ISDN or **analog** **modem** (5
    ...

 12/3,K/6   (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2001 Derwent Info Ltd. All rts. reserv.

012910339   **Image available**
WPI Acc No: 2000-082175/200007
XRPX Acc No: N00-065438
 **PHS data conversion procedure for public switched telecommunication
 network circuit - has analog call controller to** transmit **converted**
  analog   modem **signal obtained from analog transducer, through PSTN
 network after establishing data communication mode**
Patent Assignee: NEC CORP (NIDE)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 11331306	A	19991130	JP 98131586	A	19980514	200007	B

Priority Applications (No Type Date): JP 98131586 A 19980514
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11331306	A		6	H04L-029/06	

... **has analog call controller to** transmit **converted** analog   modem
 **signal obtained from analog transducer, through PSTN network after
 establishing data communication mode**

...Abstract (Basic): processor (24) for protocol conversion. The output
    signal from signal processor is converted into an **analog** **modem**
    signal by an analog transducer (25). An analog call controller (23)
    transmits the converted **analog** **modem** signal onto a PSTN network
    after establishing data communication mode in PSTN network. DETAILED
    DESCRIPTION...

...PHS terminal so that the PHS terminal side and the PSTN network side are
    simultaneously **changed** into the data communication mode. An
    INDEPENDENT CLAIM is also included for PHS data converter...

...communication. Establishes PHS data communication call for self
    management. Performs protocol conversion between PIAFS and **analog**
    modem . Establishes high speed wireless communication. DESCRIPTION OF
    DRAWING(S) - The figure shows the block diagram...
...Title Terms: **TRANSMIT** ;

12/3,K/7   (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2001 Derwent Info Ltd. All rts. reserv.

009477745   **Image available**
WPI Acc No: 1993-171280/199321
XRPX Acc No: N93-131545
 DTE ffacility control method using AT commands in analog modem, **etc.**
 - has registering unit of menu in relation to DTE facility in packet
 composing-decomposing function, discriminating unit of AT command from
 terminal side, editing **unit of** transmitting **packet NoAbstract**
Patent Assignee: FUJITSU LTD (FUIT)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 5103015	A	19930423	JP 91259269	A	19911007	199321	B

Priority Applications (No Type Date): JP 91259269 A 19911007
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 5103015	A		16	H04L-012/56	

 DTE ffacility control method using AT commands in analog modem, **etc**
 ...
 ...DTE facility in packet composing-decomposing function, discriminating
 unit of AT command from terminal side, editing **unit of** transmitting
 packet NoAbstract
...Title Terms: **EDIT** ;

12/3,K/8   (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2001 Derwent Info Ltd. All rts. reserv.

008719145   **Image available**
WPI Acc No: 1991-223164/199130
XRPX Acc No: N91-170331
 Automatic data restoration for modems - employing quality and restoration
 control to monitor line degradation and switching to new line
Patent Assignee: CODEX CORP (RENI); MOTOROLA INC (MOTI)
Inventor: SCHROEDER S; SRIDHAR M R
Number of Countries: 017 Number of Patents: 010
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9110308	A	19910711				199130	B
AU 9171721	A	19910724				199143	
EP 509037	A1	19921021	EP 91902538	A	19910103	199243	
			WO 91US60	A	19910103		
AU 636201	B	19930422	AU 9171721	A	19910103	199323	
JP 5504665	W	19930715	JP 91502978	A	19910103	199333	
			WO 91US60	A	19910103		
US 5274697	A	19931228	US 90460780	A	19900104	199401	
			US 92826204	A	19920122		
			US 9320897	A	19930222		
CA 2070291	C	19950725	CA 2070291	A	19910103	199537	

```
EP 509037      A4   19941228   EP 91902538    A   19910000   199544
EP 509037      B1   19990825   EP 91902538    A   19910103   199939
                               WO 91US60      A   19910103
DE 69131555    E    19990930   DE 631555      A   19910103   199946
                               EP 91902538    A   19910103
                               WO 91US60      A   19910103
```

Priority Applications (No Type Date): US 90460780 A 19900104; US 92826204 A
   19920122; US 9320897 A 19930222
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 9110308   A   30
   Designated States (National): AU CA JP
   Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LU NL SE
EP 509037   A1 E 30 H04M-011/00   Based on patent WO 9110308
   Designated States (Regional): BE DE FR GB
AU 636201   B   H04M-001/74   Previous Publ. patent AU 9171721
                                      Based on patent WO 9110308
JP 5504665   W   H04L-012/48   Based on patent WO 9110308
US 5274697   A   12 H04M-011/00   Cont of application US 90460780
                                      Cont of application US 92826204
EP 509037   B1 E   H04B-001/74   Based on patent WO 9110308
   Designated States (Regional): BE DE FR GB
DE 69131555   E   H04B-001/74   Based on patent EP 509037
                                      Based on patent WO 9110308
CA 2070291   C   H04L-029/14

...Abstract (Basic): which selects which of the two leased lines supply the
   signal to input line of **analog   modem** .

...Abstract (Equivalent): The method comprises monitoring the quality of
   transmission of first lines and deciding whether the quality of
   transmission on the first lines is degraded such that it falls below a
   first standard. Communication on the second lines is automatically
   established if the quality of **transmission** fails to meet the first
   standard...

...Data **transmission** is maintained on the first lines while establishing
   communication on the second lines. When the quality of **transmission**
   of the second lines exceeds a second standard, eg loss of carrier or
   having a predetermined number of retrains/resynchronisation, data
   transmission is automatically switched from the first lines to the
   second lines. The second standard is...
...carrier frequency determined by an analysis of a signal to noise
   spectrum over an entire **transmission** band...

...ADVANTAGE - Data **transmission** . is maintained on leased line while
   communication is being established on dial line, so as not to disrupt
   data **transmission** . Communication is established across two dial lines
   to restore full-duplex **transmission** and energy is maintained on dial
   lines at times when data is not being **transmitted** to prevent **change**
   of channel on dial line...

 12/3,K/9   (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2001 Derwent Info Ltd. All rts. reserv.

007667372   **Image available**
WPI Acc No: 1988-301304/198843
XRPX Acc No: N88-228674
 **ADPCM encoding-decoding system e.g. for voice communication - provides
 successive, adaptive and predictive estimates of data signal and encodes
 and decodes signal at low bit rate**
Patent Assignee: OKI ELECTRIC IND CO LTD (OKID)
Inventor: HOSODA K; KAWAGUCHI S; SHINBO A; YOKOTA K
Number of Countries: 008 Number of Patents: 006

```
Patent Family:
Patent No       Kind    Date      Applicat No      Kind    Date      Week
EP 288281        A     19881026   EP 88303599       A     19880421   198843  B
JP 63263831      A     19881031   JP 8796298        A     19870421   198849
US 4860315       A     19890822   US 88184082       A     19880420   198942
CA 1291824       C     19911105                                      199151
EP 288281       B1     19930901   EP 88303599       A     19880421   199335
DE 3883588       G     19931007   DE 3883588        A     19880421   199341
                                  EP 88303599       A     19880421
```

Priority Applications (No Type Date): JP 8796298 A 19870421
Patent Details:
```
Patent No   Kind Lan Pg   Main IPC     Filing Notes
EP 288281      A  E  28
   Designated States (Regional): DE FR GB NL SE
US 4860315     A     18
EP 288281     B1  E  32  H03M-003/04
   Designated States (Regional): DE FR GB NL SE
DE 3883588     G        H03M-003/04    Based on patent EP 288281
```

...Abstract (Basic): USE/ADVANTAGE - Voice communication, **analog   modem**
   communication. **Transmits** high speed modem signals, avoiding freeze
   out of input tracks.
...Abstract (Equivalent): an adaptive-pole predictor (71,127) of an
   arbirtray order for receiving the difference signal **modified** by the
   adaptive-zero predictor (65,121) and generating estimates of input
   signals with time..

```
13/3,K/1      (Item 1 from file: 347)
```

05941650   **Image available**
TELETEXT IMAGE COMPOSITE INFORMATION TRANSMISSION METHOD AND TELETEXT IMAGE
COMPOSITE INFORMATION TRANSMITTER

PUB. NO.:   10-224750 [JP 10224750 A]
PUBLISHED: August 21, 1998 (19980821)
INVENTOR(s):   KOBAYASHI IKUO
APPLICANT(s): TASUKO DENKI KK [000000] (A Japanese Company or Corporation),
               JP (Japan)
APPL. NO.:   09-131609 [JP 97131609]
FILED: May 07, 1997 (19970507)

ABSTRACT
... externally received image signal is given to an image information
control section 3 and an **analog   modem** 1, where the signal is converted
into a low speed scanning TV signal receiving subcarrier frequency
modulation. Furthermore, digital information relating to an image received
externally is given to a **digital   modem** 2, where the information is
subject to subcarrier frequency modulation and the low speed scanning...


```
13/3,K/2      (Item 2 from file: 347)
```

01610668   **Image available**
FACSIMILE TRANSMISSION SYSTEM

PUB. NO.:   60-089168 [JP 60089168 A]
PUBLISHED: May 20, 1985 (19850520)
INVENTOR(s):   AMAMIYA TAKESHI
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP
               (Japan)
APPL. NO.:   58-197426 [JP 83197426]
FILED: October 21, 1983 (19831021)
JOURNAL: Section: E, Section No. 344, Vol. 09, No. 234, Pg. 142,
               September 20, 1985 (19850920)

ABSTRACT
... processing section. The processing section 3 functions a digital
facsimile signal processing system combining a **digital   MODEM4** , the
reading section 1 and the recording section 2 in the binary mode and an...

... execute a transmission procedure. The initial command and response
signal are executed by using the **digital   MODEM4** and the control section
9, and the signal is switched into the analog form in the picture
information transmission and a switching **analog   MODEM5** and the control
section 9 execute the processing.


```
13/3,K/3      (Item 1 from file: 350)
```

013627823   **Image available**
WPI Acc No: 2001-112031/200112
XRPX Acc No: N01-082310
**Additional telecommunication services providing system for hotels, has
line interface module with A/D converter for converting** analog   modem
data into digital   modem **data which is processed to generate data
packets**
Patent Assignee: WAYPORT INC (WAYP-N)
Inventor: STEWART B B; THOMPSON J W

Number of Countries: 091 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200067458	A1	20001109	WO 2000US11541	A	20000426	200112	B
AU 200046782	A	20001117	AU 200046782	A	20000426	200112	

Priority Applications (No Type Date): US 2000557469 A 20000425; US 99302588
A 19990430; US 99304138 A 19990503
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200067458	A1	E	104	H04M-011/06	

    Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY CA CH
    CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE
    KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU
    SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
    Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
    IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW
AU 200046782 A   H04M-011/06   Based on patent WO 200067458

... **services providing system for hotels, has line interface module with
A/D converter for converting** analog   modem **data into** digital   modem
data which is processed to generate data packets

Abstract (Basic):
...   A line interface module (332) receives an **analog   modem** data
    from a telephone (334B). The module includes an A/D converter which
    converts the received modem data into a **digital   modem** data. The
    digital   modem data is then processed by a processor to generate data
    packets which are then transmitted...
...   The data packets comprises internet protocol packets or ethernet
    packets consisting of **digital   modem** data and telephony signals or
    digital data signals. An INDEPENDENT CLAIM is also included for..

012913568   **Image available**
WPI Acc No: 2000-085404/200007
XRPX Acc No: N00-066933
 Communication executing method for data processing system in internet
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: BERSTIS V
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5995598	A	19991130	US 97797075	A	19970210	200007	B

Priority Applications (No Type Date): US 97797075 A 19970210
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5995598	A		13	H04M-011/00	

Abstract (Basic):
...   The **modem** is configured to transmit and receive signals on the
    telephone conductor by adding the signals to existing **voltage** . The
    signals comprising maximum voltage **level** which is below **threshold**
    of 1 V. The threshold is less than or equal to the difference between
    existing...
...   A **modem** in the data processing system is connected to
    telephone conductor. Existing voltage in the telephone conductor
    indicating that no communication device connected to the telephone
    conductor is off-hook, is **detected** . An INDEPENDENT CLAIM is also
    included for apparatus for enabling communication between data
    processing system...

...The hardware may be designed to automatically **adjust** to **changes** in
    voltage   **level** , so that data transmission may continue even when
    attached receiver is lifted off-hook or incoming call is received.
    Since both transmitting and receiving stations experience the same
    voltage   **level**   **changes** approximately. Simultaneously, the
    communication circuits may automatically adapt to such **changes** with
    minimal loss of data transmission time. The data signals for phone line
    LAN may...

...manner, including AM, FM or PSK modulation. Thus, existing LAN
    communication circuits may be readily **modified** to provide the
    necessary signaling and receiving resources...

...The figure shows the operational **voltage**   **levels** of phone line LAN...

011999784   **Image available**
WPI Acc No: 1998-416694/199836
XRPX Acc No: N98-324486
 **Receiver for central terminal of wireless telecommunications system
 receiving signals from subscriber terminals - uses reference signal
 having temperature independent signal parameter which is inserted into
 signal input path for processing circuit, and adjusts gain of processor
 according to detected parameter**
Patent Assignee: DSC TELECOM LP (DSCT-N)
Inventor: CLIFTON J C
Number of Countries: 080 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
GB 2322490	A	19980826	GB 973419	A	19970219	199836	B

... temperature independent signal parameter which is inserted into signal
input path for processing circuit, and adjusts gain of processor
according to detected parameter

...Abstract (Basic): A detector (190) detects the reference signal
    parameter of the reference signal, in response to which a gain
    controller (200) adjusts the gain of the first processing circuit to
    cause the reference signal parameter detected at the detector to be
    a preset reference signal parameter. A filter (210) then removes the
    reference signal...

...it, can be automatically calibrated so that signal received at central
    terminal antenna at specified power   level will produce output
    signal from receiver at desired   voltage   level , without taking
    central terminal out of commission, when e.g. new modem shelf is
    added to central terminal to increase its capacity...
...Title Terms: ADJUST ;